

SMOKE SIGNALS

For Radio Amateurs • By Radio Amateurs

Published Monthly Since 1969 • Our 26th Year
Single Copy \$1.25

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Vanity Call Rules Set by FCC

The FCC has released a Memorandum Opinion and Order in its vanity call sign proceeding, PR Docket 93-305. In response to several petitions for reconsideration, several changes have been made to the program as originally adopted. No starting date for the program has been announced.

The FCC declined to adopt a change proposed by the ARRL and others that would have limited the selection of vanity call signs, in most cases, to the call area corresponding to the address of the applicant. However, the FCC did limit requests for call signs corresponding to Alaska, the Caribbean Insular areas, and Hawaii and the Pacific Insular areas to licensees whose mailing address is in the corresponding state, commonwealth or island. Thus, applicants in the 48 states will be allowed to request a call sign from any of the ten call sign regions.

The FCC concurred with suggestions that an amateur seeking the call sign of a deceased, close relative, should hold an equal or higher class amateur license than that held by the deceased relative. The FCC said that the two-year waiting period

following the death during which the call sign is not available would allow close relatives to upgrade, if necessary.

The FCC also has decided that priority should be given to established clubs for obtaining the call sign of a deceased club member. To that end, the Commission established a new "gate," Gate 1A, that will follow Gate 1 in priority. By this method, the call sign of a deceased amateur will be available first to a close relative, then to a club. In order to be eligible, clubs will have to have held a station license on or before March 24, 1995 (the date of the FCC's Report and Order in Docket 93-305).

The new FCC Part 97 rules become effective November 17, 1995, but the FCC has not announced a starting date for the program. The new FCC Form 610-V for vanity call sign applications is not yet available. The opening of Gate 1 will be announced by FCC public notice. More information on the vanity call sign program was in *QST* for March 1995 (page 98); April (page 41); and May (page 95).

- ARRL Bulletin ARLB089, 10/3/95

FCC OKs Closings Plan

The FCC has approved a field office restructuring plan that it says will improve operations and save money. The plan, submitted to the Commissioners by FCC Chairman Reed Hundt on August 17, would automate the FCC's network of airwave monitoring stations and reduce the number of field offices and field personnel in the Compliance and Information Bureau (CIB).

The plan also will improve public information services by establishing a new toll-free national call center, the FCC said. The Commission's field enforcement activities would be maintained at current levels.

The plan would close nine separate attended high frequency monitoring stations, and three additional monitoring sites within FCC field offices. Technological advances permit the replacement of these monitoring stations with a national automated monitoring network by the summer of 1996, the FCC said, and "overall, monitoring capacities will be enhanced." One facility in Laurel/Columbia, Maryland, will remain as the network central station.

The new FCC Call Center would, for the first time, enable the public anywhere in the United States to call one toll-free number to reach the FCC for information or to report complaints. The Center will handle this function more efficiently, and with greater convenience to the public, than is now possible in the dispersed field offices, the FCC said.

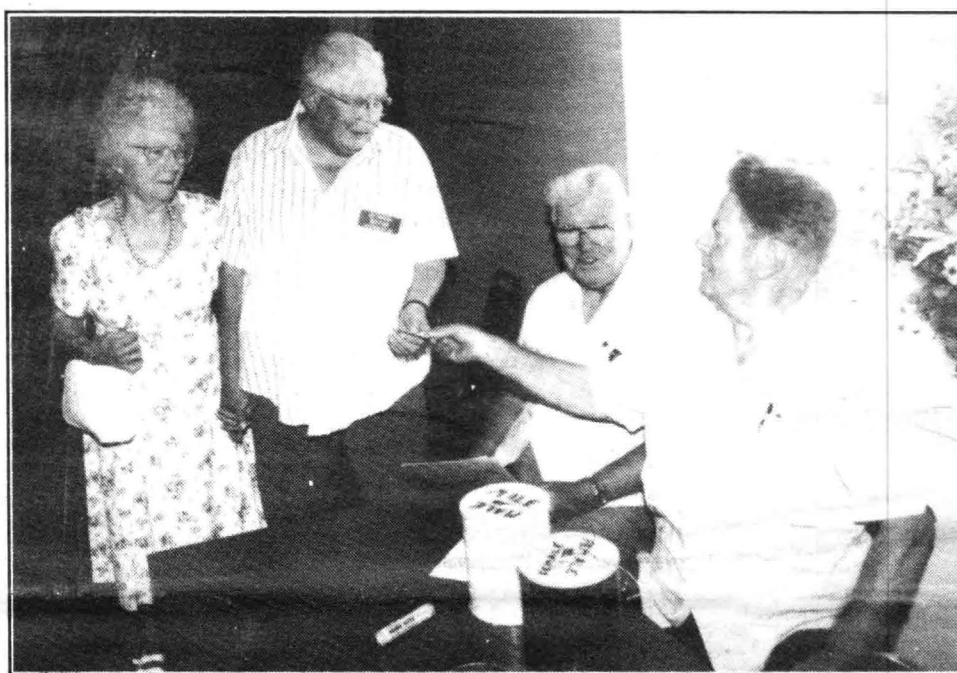
The FCC said that, under the plan, authorized staffing in the CIB will decrease by about one-third by the beginning of FY 1997. The CIB plan will require an investment

Please turn to page 12

First Joint Meeting of Wisconsin QCWA Chapters

By Les Peterson, W9YCV

9741 W. Howard Avenue, Greenfield, WI 53228



Lucelle and Lee Parsons, W9TQD (Chapter 174) check in at the registration table and receive door prizes from Erv Froelich, W9RZW, Chapter 55 treasurer, while Les Peterson, W9YCV, co-chairman, looks on.

- Photo by Carl Plotz/WB9JSW

The date August 26, the place Robbins Restaurant and Supper Club in Oshkosh, WI and the event a "Joint Meeting of Wisconsin Chapters QCWA" took place. It was a warm summer day as sixty members and guests gathered for this first meeting of the three chapters.

Preceding the meeting we had the customary registration and an "Eyeball" QSO period lasting about an hour. Before giving the invocation, Verne Teske, W9RYA asked for a moment of silence for our past silent keys. This moment included those who were unable to attend due to various health reasons. Following that the group enjoyed an excellent dinner. After dinner, this writer as MC read the names

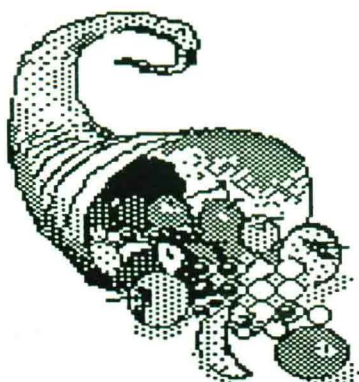
Please turn to page 7



ON THE INSIDE

What's Happening: Edited by Ken Ebner, K9EN	2
Wisconsin Nets Association	4
ARRL Executive Committee Meets	4
Here and There: Kenosha Mayor Wants City Law Against Foul-Mouthed CBers, RFI	5
The Computer Corner: By Stan Kaplan, WB9RQR	6
For the Ladies: By Nancy Johnson, N9NZM	6
Wisconsin Repeater Directory	7, 8
Ask Elmer	8
New Products	9
Eau Claire Amateur Radio Club	10
Sheboygan County Amateur Radio Club	10
Watts Snoo (Central Wisconsin Radio Amateurs at UW/Stevens Point)	10
Riverland Amateur Radio Club	10
Racine Megacycle Club	11
Mancoske Radio Club	11
FCC Call Sign Update	11
Taylor County Area Amateur Radio Club	12
Quarter Century Wireless Association/Southeastern Wisconsin Chapter 162	12
Washington County Amateur Radio Club	12
Red Cedar Repeater Association	13
Wisconsin Amateur Packet Radio Association (WAPR)	14
Yellow Thunder Amateur Radio Club	15

**Happy
Thanksgiving**
to all,
from all of us at
**Badger State
Smoke Signals**





WHAT'S HAPPENING

✕ Swapfests and Other Social Events ✕ Club Meetings
✕ Amateur Radio Exam Schedules

EDITED BY KENNETH A. EBNETER, K9EN, 822 WAUONA TRAIL, PORTAGE, WI 53901

Swapfests and Other Social Events

SATURDAY, NOVEMBER 4, 1995. 11th annual Friendlyfest 8:00 a.m. to 1:00 p.m. at the Waukesha County Expo Center, Waukesha, WI. Contact Milwaukee Repeater Club, Inc., PO Box 2123, Milwaukee, WI 53201.

SUNDAY, NOVEMBER 5, 1995. The Fox Cities Amateur Radio Club will be holding its annual hamfest on November 5, 1995 at Kaukauna, WI. Doors will open to the public at 8am. Admission is \$4.00 and tables are available for \$6.00. To get there, take Hwy 41 to Hwy 55 at Kaukauna and go north about 1 mile to the intersection of JJ. Fest is held in the Starlite club on that corner VE testing is also available across the road at the town hall. Talk in will be on the 146.76-repeater, tone is 100. Any questions or to reserve a table contact Dan, N9LVS at 414-739-5101 or via packet N9LVS @ KA9JAC.WI.USA.NA 73 hope to see you there.

SUNDAY JANUARY 14, 1996. 24th Annual Midwinter Swapfest. Held at the Waukesha County Expo Center Forum, Waukesha, WI. Sponsored by the West Allis Amateur Radio Club. For information or reservations contact: WARAC Swapfest, P.O. Box 1072, Milwaukee, WI 53201. See also ad on last page.

TUESDAY, FEBRUARY 27, 1996. Red Cedar Repeater Association, Inc., American Legion Post 53, 634 Water St., Eau Claire, WI. Contact: Steve Hart, KA9OMC, E616 810th Ave., Knapp, WI 54749. (715) 665-2374.

SUNDAY, MARCH 10, 1996. SEWFARS Swapfest, Waukesha County Expo Center, Waukesha, WI. Contact: SEWFARS PO Box 102, Delafield, WI 53018. (414) 789-1034.

See also the back page and flyer ads for

additional information on many of these events.

As a service to our readers, this section of Badger State Smoke Signals is available without charge to list your upcoming Swapfest, Hamfest, dinner, picnic, party or other event of interest to Radio Amateurs in Wisconsin and nearby areas. Send information on your event to Kenneth A. Ebner, K9EN, 822 Wauona Trail, Portage, WI 53901. In addition, space is available at attractive rates on our advertising pages. For information on rates and requirements for our advertising pages, please contact K9ZZ or K9EN.

Club Meetings



Due to space limitations we cannot always carry the full listing of Wisconsin and area club meetings. Please save the following listings for your future reference. We hope to have the full listing at least three times a year, and will carry any changes or additions between full listings.

ARROWHEAD RADIO AMATEUR CLUB, INC.
(Superior, WI)

The monthly meeting of the ARAC is held on the second Tuesday of the month at the WITC Conference Center, 600 N. 21st Street, Superior, Wisconsin, at 7:30 p.m. Board meetings are held prior to the regular meeting.

BADGER AMATEUR RADIO SOCIETY
(W9YT - U. W. - MADISON)
Monthly while school in session - 2nd Tue. - 5:30 p.m. - B-265G, Electrical Engineering Bldg. For more

information call (608) 262-1142.

CENTRAL WISCONSIN RADIO AMATEURS, LTD.
(STEVENS POINT)
Second Wed..

EAU CLAIRE AMATEUR RADIO CLUB
2nd Tue. - 7:30 p.m. - Parks and Recreation Bldg., Oxford and 1st Streets, Eau Claire. Hams, guests welcome. Travelers welcome on wide area club repeater K9UXP, 146.31/91.

FOUR LAKES AMATEUR RADIO CLUB (MADISON WI)
First and third Tues - 7:30 p.m. - Red Cross Bldg., 4860 Sheboygan Ave., room "C" downstairs. It is the next building west of the Hill Farms State Office building. The meetings start promptly at 7:30 pm.

FOX CITIES AMATEUR RADIO CLUB
Third Mon. - 7:00 p.m. - Roosevelt Jr. High School, 318 E. Brewster St., Appleton. Info: (414) 766-3886.

GREATER MILWAUKEE DX ASSOCIATION
Fourth Mon. of the month at 7:30 p.m. Contact any GMDX member or Dan Reese, N9XX, (414) 529-9806 (before 9 p.m. please) for meeting location.

GREEN BAY MIKE AND KEY CLUB
Second Thur. 7:30 pm - Media Services area of the J. M. Science Building at St. Norbert College in DePere.

GREEN FOX AMATEUR RADIO CLUB
Third Mon. - 7:30 p.m. - Green Lake Town Hall, int. of county hwy. Kand N.

KETTLE MORAINES RADIO AMATEURS
Second Fri., 7:30 p.m. at the Waukesha County Technical College, Campus Science Building, Room 102. Talk-in on the N9KS 147.39 repeater.

LAKESHORE RPTR. ASSN.
Last Tue., Jan., Apr., Jul., & Oct., 7:30 p.m. Red Cross Bldg., 4521 Taylor Ave., Racine, WI.

M & M AMATEUR RADIO CLUB
General meeting held second Thursday each month at 7:00 p.m. at Menominee BAMC 4th floor, Tenth Ave., Menominee, MI 49858.

MADISON AREA REPEATER ASSN
Here are the meeting dates for MARA for 1994: September 12, 1994, November 14, 1994

MANITOWOC COUNTY RADIO AMATEURS
Directors Meeting: First Wed. Held at 7:30 p.m. in the basement, Manitowoc City Hall, 817 Franklin ST., Manitowoc.

General meeting: Second Wed. Held at 7:30 p.m. at Associated Manitowoc Bank, corner of 10th and Franklin Streets.

MENOMONEE FALLS AMATEUR RADIO CLUB
Last Tue. - Doors open 7:30 p.m., meeting begins 8:00 p.m. - Security Savings and Loan, Menomonee Falls. Amateurs and guests welcome.

MILWAUKEE RADIO AMATEURS CLUB
Last Thursday evening, Wauwatosa Savings and Loan (lower level) at 7500 W. State St. in Wauwatosa. Meetings begin at 7:30 pm 12 months of the year.

NORTHWOODS ARC (RHINELANDER WI)
Third Tue.. Doors open at 7:00 p.m. Meeting at 7:30 p.m. South Park School, Rhinelander, WI. Talk-in on 146.93/34. All interested visitors to the Northwoods are welcomed.

OSKOSH AMATEUR RADIO CLUB
(see Winnebago ARC listing)

OZAUKEE RADIO CLUB
Second Wed. - 7:30 p.m. - Grafton Multipurpose Senior Center.

QCWA - WISCONSIN CHAPTER #55 Contact Erwin Froelich, W9RZW, Treasurer, Rte 1 Box 177D, Pine River WI 54965. For information about meeting dates or joining QCWA Chapter #55. The Wisconsin Chapter

Badger State Smoke Signals

Amateur Radio Education and Information

CHAIRMAN: Kenneth A. Ebner, K9EN, 822 Wauona Trail, Portage, WI 53901. Telephone (608) 742-3560.

EDITOR: Jim Romelfanger, K9ZZ, 412 1/2 Ash Street, Baraboo, WI 53913. Telephone (608) 356-4031.

TREASURER: Jim Decker, WB9UQT, P.O. Box 337, Baraboo, WI 53913-0337.

CONTRIBUTING AUTHOR: Richard R. Regent, K9GDF, 5003 South 26th Street, Milwaukee, WI 53221.

Subscriptions

1 year	(12 issues)	\$12.00
2 years	(24 issues - save \$2.00)	\$22.00
3 years	(36 issues - save \$4.00)	\$32.00

Special club package reduced rates are available. For information, contact Ken Ebner, K9EN.

When to Send It

The closing date for each issue is the first of the month for the next month's issue. For example, the closing date for the June issue is May 1.

The only exception is for participating clubs. Participating clubs are requested to send their material no later than FIVE DAYS after the club's meeting. For example, if a club meets on the 4th of the month, the material should be sent no later than the 9th of that

month. This material is to be sent to the Editor.

Where to Send It

Address changes and corrections should be sent to Ken Ebner.

Editorial material, photographs, feature articles, display ads, and exchange papers should be sent to Jim Romelfanger.

Inquiries about advertising should be directed to Ken Ebner.

Swapfest information should be sent to Ken Ebner. Swapfest ads should be sent to Jim Romelfanger.

Subscriptions should be sent, with check or money order, to Jim Decker.

Conditions for Reprinting or BBS Posting Material from Badger State Smoke Signals

Permission is hereby granted to reprint articles or posting articles on radio or telephone bulletin boards from *Badger State Smoke Signals*, providing credit is given to the original author, publication in which the article first appeared, and to *Badger State Smoke Signals*. **THIS CREDIT IS MANDATORY, AND NO MATERIAL MAY BE PRINTED OR POSTED UNLESS IT IS GIVEN.** This newspaper is produced by volunteer Radio Amateurs, and is non-profit. This newspaper is mailed from Portage, WI 53901. *Badger State Smoke Signals* is incorporated as a Wisconsin non-stock, non-profit organization.

Editorial Disclaimer

The opinions expressed in editorials, guest editorials, columns, articles, and letters from readers are the opinions of the authors only, and do not, unless otherwise stated, express or imply endorsement by *Badger State Smoke Signals*, or by any other individual or organization.

holds Spring and Fall dinner meetings.

QCWA - SOUTHEAST WISCONSIN CHAPTER #162
Meets third Mon. monthly, 7:30 p.m., Around the Clock Restaurant, 3012 Rapids Drive, Racine.

RACINE MEGACYCLE CLUB
Second Mon., 7:30 p.m., Red Cross Bldg., 4521 Taylor Ave., Racine, WI

RED CEDAR REPEATER ASSOCIATION, INC.
4th Tue. - 7:30 p.m., September, October, November, January, March and April. Peppermill Restaurant, Thunderbird Mall North, Menomonie, WI. Guests welcome.

RIVERLAND AMATEUR RADIO CLUB
First Tue. - 7:00 p.m. - Onalaska Community Center, Onalaska WI.

ROCK RIVER RADIO CLUB
Monthly - first Tue. - 7:00 p.m. at Dodge County Sheriff's Department, 141 N. Main, Juneau, WI.
ARES Net: 146.04/146.64 Mon.s at 7:30 p.m. Sat.s on 7277 KHz at 10:30 a.m.

SHEBOYGAN COUNTY AMATEUR RADIO CLUB
Second Tue. - 7:00 p.m. - Sheboygan Red Cross/Boy Scout Bldg., 2032 Erie Ave.

SOUTH MILWAUKEE AMATEUR RADIO CLUB
First Wed. - Legion Post 434, Shepard Ave., Oak Creek WI. Auctions in March and October.

TAYLOR COUNTY AREA AMATEUR RADIO CLUB (TCAARC) MEDFORD
Usually the 1st Thur. of the month at 7:00 PM sharp. Usual location: emergency government meeting room/Red Cross office, basement of Sheriff's Annex to Taylor County Courthouse, 2nd and Ogden Sts., Medford, WI. Talk-in on 147.15 (+600) repeater. Amateurs & guests are welcome. ARES Net, Wed. nights at 8:30 PM on 147.15 (+600) repeater. For info contact: Mike Schoenfuss, N9GHZ, P.O. Box 401, Abbotsford, WI 54405, phone (715) 223-3996.

TRI-COUNTY AMATEUR RADIO CLUB
Meetings held at members homes. Usually monthly on Sunday afternoon. Contact: Glenn Eisenbrandt, (414) 563-6502 or John Saterlee, (414) 563-6381.

WASHINGTON COUNTY AMATEUR RADIO CLUB
Second Thursday, 7:30 p.m., Washington County Court House. Net on Thursdays at 7:30 p.m. on 146.73.

WATERTOWN AMATEUR RADIO CLUB
First Thur. of the month at 7:00 p.m., The Watertown Public Library, 100 S. Water St., Watertown, WI.

WAUPACA AMATEUR RADIO CLUB
First Sat. in March, June, September and December, at 9:30 a.m. at the Waupaca Fire Station in downtown Waupaca.

"CQ First Tue." - A social gathering and dutch treat luncheon at the King's Table in King, WI, on Highway QQ just south of highways 10 and 54 on the west side of Waupaca.

WEST ALLIS RADIO AMATEUR CLUB
Second Tue. - 8:00 p.m. - St. Peters Episcopal Church, 7929 Lincoln Ave. Entrance is at rear of building on alley.

THE WINNEBAGO AMATEUR RADIO CLUB
(Formerly the Oshkosh Amatur Radio Club)
The Winnebago ARC welcomes all Amateurs and interested persons to join us at the Oshkosh Armory on Armory Place, Oshkosh, WI. Meetings are held the third Sunday each month at 1600 hrs. Talk in on 147.24 repeater.

For further information contact KB9IME, Dan Lenz, at (414) 233-7145.

WISCONSIN ASSOCIATION OF REPEATERS
Meetings are held Quarterly, with time and location to be announced. Repeater licensees, trustees, and sponsors are urged to attend W.A.R. meetings. All interested parties are welcome, as well.

WISCONSIN RAPIDS AMATEUR RADIO CLUB
Third Wednesday, 7:00 p.m. Emergency Government Office, Wood County Court House. Talk-in on 146.79 for entry into the building.
Net on Sundays at 8:00 p.m. on 146.79.

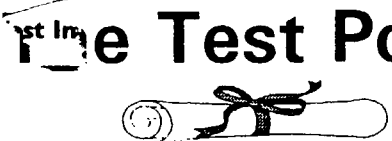
WISCONSIN VALLEY RADIO ASSOCIATION (WAUSAU)
First Tue. - 7:30 p.m. - Location varies; info on 146.04/64, Wausau.

YELLOW THUNDER AMATEUR RADIO CLUB (BARABOO)
Days rotate: Scheduled meeting dates: The following is the YTARC meeting schedule for 1995.

Thursday September 14, 1995
Tuesday October 17, 1995
Wednesday November 15, 1995
Thursday December 14, 1995

All meetings will be at the Baraboo Civic Center, room 14, unless otherwise noted. Starting time for the monthly club meeting is 7:30 p.m.. The program start time after the meeting is 8:00 p.m., with a one hour limit.

Let Badger State Smoke Signals know your club's meeting dates, and we will let our readers know of your meetings and activities. There may be Amateurs in your area interested in joining your club, or members of other clubs interested in making an interclub visit.



Test Point

Amateur Radio Examination Locations and Schedules in the Wisconsin Area

November 4, 1995	Racine, WI
November 4, 1995	Oak Creek, WI (SWAT/MRAC)
November 4, 1995	Menomonie, WI
November 11, 1995	Marshfield, WI
November 11, 1995	Madison, WI
November 15, 1995	West Allis, WI (MRAC)
November 18, 1995	Milwaukee, WI (BADGER)
November 18, 1995	Dubuque, IA
November 18, 1995	Loves Park, IL
November 25, 1995	Wauwatosa, WI (MRAC)
December 2, 1995	Oak Creek, WI (SWAT/MRAC)
December 2, 1995	Racine, WI
December 2, 1995	River Falls, WI
December 2, 1995	Stevens Point, WI
December 9, 1995	Madison, WI
December 20, 1995	West Allis, WI (MRAC)
December 16, 1995	Milwaukee, WI (BADGER)
December 16, 1995	Loves Park, IL
January 29, 1996	Milwaukee, WI (BADGER)
February 17, 1996	Milwaukee, WI (BADGER)
March 16, 1996	Milwaukee, WI (BADGER)
April 20, 1996	Milwaukee, WI (BADGER)
May 4, 1996	Milwaukee, WI (BADGER)
	Ozaukee Swapfest

Monthly, 1st Sat. Racine, WI
(except January, July & August)
Monthly, 1st Sat. Oak Creek, WI (SWAT/MRAC)
(except May, June, July & August)
Monthly, 2nd Sat. Madison, WI
Monthly, 3rd Wed. West Allis, WI (MRAC)
Monthly, 3rd Sat. Loves Park, IL
Monthly, Last Sat. Wauwatosa, WI (MRAC)
(except December)
Monthly, Last Sat. Tomahawk, WI
(January thru October only)
Quarterly Marshfield, WI
(Second Saturday every third month.)

Many Swapfests/Hamfests offer exam sessions. If not shown above contact the sponsoring club in the Swapfest column on page 2.

The FCC now requires applicants to show their ORIGINAL AMATEUR LICENSE to the VEC. A copy of your license must be attached to your FCC form 610. You will also be required to have a photo ID, or other acceptable identification.

GENERAL RULES FOR MOST EXAMINATIONS:

Be sure to check with sponsors in the event there are changes and/or errors in the dates or information given.

Some examinations require filing an FCC Form 610 and advance registration at least 30 days before the exam date. (Some VECs permit walk-ins. Check with sponsor.)

To register, you must first secure a copy of the current FCC Form 610 and fill it out completely (AND CORRECTLY). Get your form from an FCC Field Office, the ARRL. Send a 32c/ SASE if you request one from the ARRL. In most cases, forms can also be obtained from the sponsoring group.

ARRL/VEC examinations require a check for \$5.90 payable to "ARRL/VEC".

The FCC now requires applicants to show their

ORIGINAL AMATEUR LICENSE or CSCE to the VEC. You must also have two good copies of your license or CSCE. A copy of your license or CSCE must be attached to your FCC form 610 and most VEC want a copy for the records. You will also be required to have a photo ID or other acceptable identification.

Technician class licensees must show proof of testing before March 21, 1987, in order to upgrade to General with a code test only.

Additional information is given below.

MILWAUKEE RADIO AMATEURS' CLUB (MRAC/VEC)
OAK CREEK, WI (SWAT-MRAC/VEC)

FIRST SATURDAY DATES (No exams June, July, August. May exam on 2nd sat at 1:00 p.m.): 3:30 p.m. at 6560 S. 27th St., Oak Creek, WI. (2 -blocks south of College.) (MRAC fee \$5.00)

THIRD WEDNESDAY DATES: At 6:30 p.m. Manor Park, 3023 S 84th St., West Allis, WI.

LAST SATURDAY DATES (except December): 9:00 a.m. at 7500 W. State St., Wauwatosa S&L, lower level. Wauwatosa, WI.

For Additional Information Contact; Jack Krause (414) 774-6999 or call (414) 466-HAMS (Answering Machine) or write MRAC, 1737 N. 116th St., Wauwatosa, WI 53226.

Bring along your ORIGINAL license, CSCE and two (2) good quality photocopies, plus two forms of identification, such as a driver's license, etc. Also required is \$5.00 for the exam fee. WALK-INS are welcome. To register in advance, use a post card to print the grade of license you are applying for, and your name, address, and telephone number. Send the card to MRAC/VEC, c/o Jack Krause, W9JK, or La Peterson, W9YCV at the addresses shown above.

BADGER EXAMINERS (BE) - MILWAUKEE
Amateur exams: 1:00 p.m. to 4:00 p.m.
Commercial exams: 9:00 a.m. to 12:00 noon.

Unless otherwise noted at WMVS-TV studios, MAT Downtown campus in the C building starting at 9:00 a.m. for commercial exams and Amateur exams at 1:00 p.m. the same day. The address is 1036 N. 8th Street Milwaukee. Enter at the North West entrance of Building. Walk-ins are welcome. To register in advance, send a post card with your name, test of tests you wish to take, date you wish to take., your call sign, address and telephone number to Badger Examiners, Gary J. Sharbuno, WI9M, 5119 W. Wille Rd., Brown Deer, WI 53223. Telephone (414) 355-0237.

Also available FCC General Radio Telephone Commercial exams. Fees are \$5.90 for the Amateur Radio exams and \$35.00 for the commercial exams.

MADISON, WI

VE exams are held in Madison every second Saturday morning (September through May) of the month at 8 a.m. They are held at the operation building of the Madison Metropolitan Sewerage District at 1610 Moorland Rd. To get there take the Beltline (Hwy 12 & 18) to South Towne Drive. Go south 8/10 mile till South Towne Drive makes a bend and becomes Moorland Rd. and enter at gate.

You should bring a picture ID, your original licence and a copy of your licence. For exams beyond the novice tests, bring a check for \$5.90, made out to the ARRL/VEC. If the special 610 form with the medical exemption is required, contact me beforehand to obtain one. No appointments are necessary to take exams. For further questions, please leave a message on the mailbox or phone me at (608) 832-6631.

Mark Jenks, N29B

RIVER FALLS, WI

Held in the church basement at the United Methodist Church, 127 South 2nd St., River Falls, WI. Contact: Chuck Kelly, KA9YRV, 234 W Cascade Ave River Falls, WI 54022.

REDGRANITE, WI (W5YI VEC)

Test sessions are held in Redgranite on the second Saturday of each month, at the Civic Center 202 Pine River rd., just off Highway 21. Testing begins at 9:00 a.m. Breakfast meeting at 8:00 a.m. at the Curve on Highway 21 prior to testing session. All Amateurs are welcome at the breakfast. Contact Terry Lynn Witt, AA9BA, 9145 Ivy Lane, Berlin, WI 54923.

RACINE, WISCONSIN - ARRL/VEC

Monthly - first Saturday, except January, July and August.

Monthly exams are given 9:00 to 11:00 a.m. at the Red Cross Building, 4521 Taylor Avenue, Racine. Walk-ins are permitted.

(continued on page 15)

Wisconsin Nets Association Ltd.

Jim Merrell, W9AYK, Secretary • W283 Hillendale Drive • Oconomowoc, WI 53066

SECTION MANAGER'S NOTES



Richard R. Regent, K9GDF
5003 South 26th Street
Milwaukee, WI 53221



SM, Richard R. Regent, K9GDF - ASM:
K9FHI; STM: KA9KLZ; SEC WB9SMM; ACC:
K9FHI; SGL: W9RYA; OOC: N6JSX; PIC: K9ZZ;
BM: WB9JSW; TC: K9GDF.

Seasons greetings.

Possible club activities for December are a club Christmas Party, Christmas Message Center and Mall Display or Santa Claus net at the local children's hospital or school.

Watertown ARC has Christmas Party December 3. Four Lakes ARC Holiday Party at CJ's is December 19.

Please maintain club ARRL affiliation by submitting an annual report to Headquarters; a renewal form and current status is available from ACC K9FHI or me.

Repeater Frequency Coordinator N9UNR should be informed of any changes or unused assigned channels.

St. Croix Valley RC has breakfasts Saturdays at 8:00 A.M., info from KB9BTB.

Exams: December 2 Oak Creek, Racine, River Falls, Stevens Point; December 9 Madison, Red-

Wisconsin Nets

Net	WNA	Freq.	UTC	CDT	Mgr.
BWN	Yes	3985	1200	0600	W9AYK
BEN	Yes	3985	1800	1200	KE9VU
WSBN	Yes	3985	2330	1730	K9UTQ
WNN	Yes	3723	0000	1800	KA9FVX
WSSN	Yes	3645	0030	1830	N9BDL
WIN/E	Yes	3662	0100	1900	WB9ICH
WIN/L	Yes	3662	0400	2200	W9NGP
NWTN	Yes	34/94	0030	1830	NS9Q
(Rhinelander area)					
RCRA	No	01/61	0030	1830	KA9OMC
(Mondays CDT) (Menomonie Area)					
Gr. Bay	No	72/12	0245	2045	WB9NRK
(Green Bay Area)					
ARES	No	4.65/5.25	0200	2000	
(South East/South Central Wisconsin)					
RACES	No	3993.5	1400	0800	WA9OAY
(LSB Sunday)					

granite; December 20 West Allis.

December 30 is Straight Key Night.

New ORS is N9JCL of Marinette.

Drop me a note if you would like a free list of Wisconsin's 100 radio clubs or 120 traffic nets.

Worked All Wisconsin Counties Award is sponsored by the West Allis RAC; rules and applications from WARAC, PO Box 1072, Milwaukee, WI 53201.

What else would you like in this column?

Thought for the month: *Every job is a self-portrait of the person who did it.* □

Executive Committee Okays New ARRL Section

The ARRL Executive Committee met September 16 in Albuquerque, New Mexico, and approved a new ARRL section, Northern New York, to become effective January 1, 1996. ARRL Hudson Division Director Steve Mendelsohn, WA2DHF, made the motion. The new section will be made up of 12 counties, all formerly a part of the Western New York Section.

Several New York amateurs also were honored by the executive committee: Henry Borawski, KB2PFP, had been cited by the City of New York for bravery in responding to the World Trade Center bombing, was awarded the ARRL National Certificate of Merit.

And, congratulated by the executive committee were New York City-Long Island Section Manager Rick Ramhap, N2GQR; Section Emergency Coordinator Mario Maltese, WF2T; and Suffolk County District Emergency Coordinator Andrew Feldman, WB2FXN, as well as their volunteers, for their work during August brush fires on Long Island.

Here are other highlights of the meeting:

- The Executive Committee was previously assigned to develop an integrated long-range ARRL plan for spectrum protection and acquisition. ARRL General Counsel Christopher Imlay, N3AKD, reported on ongoing research to determine the most promising approach to achieve new allocations in the vicinity of 160 kHz and 40 MHz. Developing strategies for these allocations is but a part of a requirement for a more comprehensive approach to spectrum matters, particularly with regard to the microwave allocations.

- Imlay reported that progress on two "egregious" cases of repeater jamming has been slower than had been promised by FCC staff, and also noted the announcement of proposed closings of FCC field offices and cuts in field staff (*The ARRL Letter*, September 7, 1996). The EC agreed that the ARRL should seek an instruction to the FCC from the Commerce Committees of both houses of Congress that its funding of enforcement activities not be reduced.

- Imlay also reviewed the status of pending FCC rule makings of interest to amateurs, including ET Docket No. 94-32 (the allocation of 2300 to 2310 MHz); allocation proceedings for frequencies above 40 GHz; reconsideration petitions in PR Docket 93-61 (concerning 902 to 928 MHz); a reconsideration petition in ET Docket 93-40 concerning 219-220 MHz; RM-8653, the petition by Apple Computer Inc that seeks access to 5.725-5.875 GHz for an unlicensed personal radio data network; the petition by Fred Maia, W5YI (RM-8626) that would outlaw most one-way HF transmissions, including the most popular services of W1AW; and the League's efforts to protect amateurs from proposed wind-profiler radars.

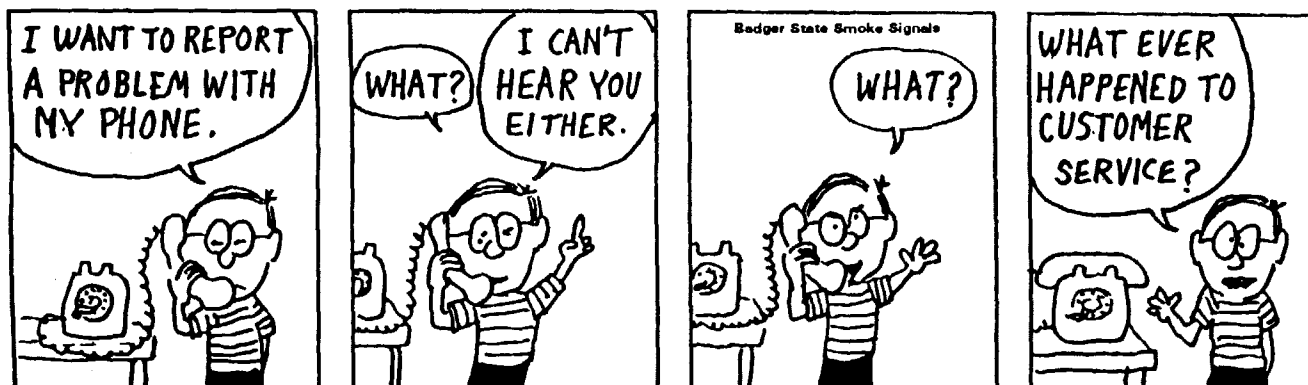
- The status of the ARRL's participation, or lack thereof, in the newly incorporated National Council of Volunteer Examiner Coordinators was discussed.

- The status of the ARRL's Washington legislative agenda for 1995 was reviewed, as well as the

Please turn to page 9

ELMER

By Rich Regent, K9GDF



Contrast Targets 40 Meters

Amateur Radio societies in the Western Hemisphere have concluded their triannual meeting, where important topics considered included band planning (especially on 40 meters); growing Internet use by amateurs; electromagnetic compatibility of consumer devices; improved communication between the International Amateur Radio Union and its member societies; and implementation of the hemisphere's International Amateur Radio Permit.

Twenty-nine national Amateur Radio organizations from throughout the Americas were represented at the week-long conference in Niagara Falls, Ontario, hosted by the Radio Amateurs of Canada (RAC). Canada announced at the meeting that it has agreed to adhere to the IARP (the fourth country to do so) and had issued the first two permits to RAC President Farrell Hopwood, VE7RD, and IARU Region 2 Vice President Tom Atkins, VE3CDM.

Distinguished guests included Robert Jones, Director of the Radiocommunication Bureau, International Telecommunication Union (who is VE3CTM); Michael Binder, Assistant Deputy Minister, Spectrum Information Technologies and Telecommunications Sector, Industry Canada; Roberto Blois Montes de Silva, Executive Secretary, Inter American Telecommunication Commission (CITEL) of the Organization of American States (OAS); and Wayne Thompson, Mayor of Niagara Falls, Ontario.

Addressing continuing problems of interference between users of different modes in the 7000 to 7100 kHz range, the conference adopted a resolution calling for greater use of frequencies above 7100 kHz for communication within Region 2, particularly by digimodes in the band 7100 to 7120 kHz. Reduced dependence on frequencies between 7050 and 7100 kHz by digimode stations, and by SSB stations for communication within Region 2, was urged. The conferees also agreed to discourage SSB operation below 7050 kHz, to discourage digimode operation between 7035 and 7050 kHz except for communication with amateurs in other Regions, and to renew their commitment to the IARU goal of achieving a worldwide allocation of at least 300 kHz in the vicinity of 7 MHz.

Member-societies also were encouraged to make greater use of the 10-MHz band for digital communication, since radiotelephone is not allowed there.

The group urged that member societies obtain Internet access and possibly establish their own Home Pages on the World Wide Web. Amateurs were encouraged to include their call signs as a part of their Internet addresses.

Region 2 President Alberto Shaio, HK3DEU, has now retired, and Thomas B. J. Atkins, VE3-CDM, was elected to replace him as president. Reinaldo Szama, LU2AH, was elected vice president, and three new directors also were elected.

The 1998 IARU Region 2 conference will be held in Venezuela, hosted by the Radio Club Venezolano.

- ARRL Bulletin ARLB090, 10/4/95

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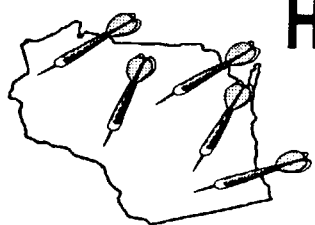
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HERE and THERE

Call for Club Newsletter Judging

It's time for the Amateur Radio New Service's annual Publication Contest. The ARNS is an organization of ham newsletter editors and publicists, and publishes the monthly ARNS Bulletin "to help its members better promote Amateur Radio by improving their own publications."

Each year, a committee of ARNS editors calls for sample newsletters from members and then ranks them, providing useful advice in the process. The contest is open to all Amateur Radio organizations and ARNS membership is not required (general circulation magazines and professional journals are not eligible).

To enter, clubs should submit one copy of any issue of their newsletter from the period July 1994 through December 1995. Send them to ARNS President Lee Knirko, W9MOL, 11 South La Salle St, Suite 2100, Chicago, IL 60603.

For information about ARNS membership, write to ARNS Secretary Pam Myers, N8IAK, 2325 Ansley, 20, Alliance, OH 44601.

- ARRL Bulletin ARLX055, 9/27/96

Digital Rules Clarified

The FCC, responding to a request from the ARRL, has clarified its rules regarding Amateur Radio stations' use of digital codes.

The ARRL, in a letter to the Commission, said that some amateurs had expressed concern about the propriety of using the CLOVER, G-TOR, and PacTOR codes on the HF bands (below 30 MHz), because FCC rule 97.309(a) "appears to authorize" only Baudot, AMTOR, and ASCII codes. The League told the Commission that it had worked with the developers of CLOVER, G-TOR, and PacTOR to document the technical characteristics of those codes, and asked the FCC to remove any doubt about their legality on the HF bands.

The FCC agreed, saying that the use of the three modes does not conflict with its objective of preventing the use of codes or ciphers intended to obscure the meaning of the communication.

As a result, the FCC added a paragraph (4) to Part 97.309(a) to read:

(4) An amateur station transmitting a RTTY or data emission using a digital code specified in this paragraph may use any technique whose technical

Silent Key

L. Bruce Bjerstedt, K9CUT, La Crosse, died October 6, 1995.

Bruce was the trustee of the 16/76 repeater. He and Ray Snider, W9MNG, also a Silent Key, were instrumental in establishing the first 2 meter repeater in LaCrosse.

Besides being a avid ham, Bruce owned and operated Cary Heating and Air Conditioning in LaCrosse. He retired in 1990.

L. Bruce Bjerstedt was born Jan. 31, 1929, in River Falls, WI, to Emil and Frances (Webster) Bjerstedt. He married Ann Peterson January 5, 1957, in LaCrosse.

Bruce is survived by his wife, two sisters, a brother, two daughters, Carol and Jeanette, a son, Tony, and five grandchildren.

Bruce was a very kind person, always trying to help and do things for you, and everybody was his friend.

- Art Osborn, W0JDC

characteristics have been documented publicly, such as CLOVER, G-TOR, or PacTOR, for the purpose of facilitating communications.

- ARRL Bulletin ARLB094, 10/12/95

Kenosha Mayor Mad at Foul-Mouthed CB Operators, RFI; Orders Ordinance Drafted

(This was reported in the *Kenosha News*, Wednesday, October 11, 1995, page 4.)

NUISANCE ORDINANCE PRESSED RADIO SIGNALS IRK NEIGHBORS

By Barbara Henkel, Staff Writer

Does your television, radio or telephone pick up transmissions from a neighbor's citizens band radio?

Mayor John Antaramian is preparing an ordinance that he hopes will address the problem.

"We'll definitely move forward with some sort of ordinance to deal with people who abuse CBs and create problems for neighbors," Antaramian said Monday.

He has city attorney's office drafting an ordinance, modeled on an anti-nuisance ordinance in Racine.

Antaramian said he wants the ordinance reviewed by the Kenosha Police Department before submitting it to City Council, so police can comment on the enforceability of the ordinance.

Antaramian is responding to one group of Kenosha residents whose neighborhood has been plagued for months by a CB radio enthusiast whose broadcasts cut into their radio and television reception and telephone calls. Lee Ann Buckau, 5549 32nd Ave., brought the matter to Antaramian's attention.

"You can't talk on the telephone. You can't listen to your stereo," Buckau said.

She played a tape for Antaramian that she made of the neighbor's conversation that she picked up off her stereo. It was full of cursing and racial slurs.

She's contacted the Federal Communications Commission which regulates CB transmissions.

Phase 3-D Details Set

All major contractual issues are now complete for the launch of the Phase 3-D Amateur Radio satellite, scheduled for September 1996. Phase 3-D International Satellite Project Leader Dr Karl Meinzer, DJ4ZC, made the announcement at the annual Radio Amateur Satellite Corporation (AMSAT) meeting held the weekend of October 7 in Orlando, Florida.

The final arrangements establish a firm cost, schedule and technical baseline for the launch, Meinzer said. The contract includes a launch price of about 1 million dollars; contributions so far from individuals and organizations around the world will cover the "first installment" of the launch bill, about 800,000 dollars, which is due November 1, 1995.

AMSAT-NA President Bill Tynan, W3XO, said that in addition to the additional 200,000 dollars needed for launch, another 200,000 dollars is still needed to complete final assembly, check-out, and testing of the satellite.

The contract with ESA specifies that if, for some reason, launch is not possible on the Ariane 502 rocket launch in September, 1996, the space agency will exercise its "best efforts" to launch P3-D on an (older) Ariane 4 booster, no later than mid-1997. Meinzer said that the P3-D design team has built the satellite and its carrying structure to be compatible with both the Ariane 4 and 5 boosters.

Meinzer led negotiations with the European Space Agency (ESA) the previous weekend, in Evry, France. Also present at those meetings were AMSAT-North America Executive Vice President Keith Baker, KB1SF, and AMSAT-NA Vice President for Engineering Dick Jansson, WD4FAB.

A story about the P3-D satellite appeared in May 1995 *QST*.

- ARRL Bulletin ARLS017, 10/10/95

Christine Jelinek, public affairs officer for the Chicago-district office of the FCC, said her office has two engineers covering complaints in four states. She said her office receives between 3,500 and 5,000 complaints a year.

Complaints are investigated on a priority basis, with interference of safety services such as police and fire given priority.

She said it is a common misconception that if a person can hear someone's radio transmissions on their telephone, that it means the CBER is violating some FCC regulation.

"Someone can be operating legally and there can still be interference," Jelinek said.

The problem is not with the CB equipment, but with the stereo and telephone equipment, FCC officials say. Filters can help and people with problems should contact their telephone and stereo equipment manufacturers for assistance, Jelinek said.

Buckau has tried filters on her kitchen telephone, but still hears the transmissions. She has heard of some additional equipment she should buy, but doesn't feel she should have to.

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USED AMATEUR RADIO EQUIPMENT

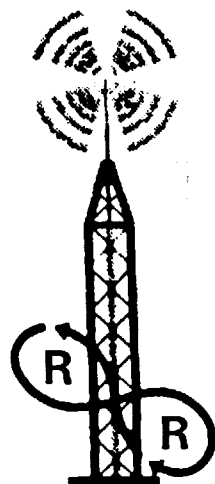
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November 1995

The Computer Corner



By Stan Kaplan, WB9RQR

105 Martin Drive

Port Washington, WI 53074-9654

(414) 284-9346

WB9RQR @ N9PBY.EN63BI.WI.USA.NA

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No. 25: WHERE DO YOU BUY, STAN?

The title of this month's article represents a question I am often asked. Five years ago, my advise would have been to purchase a current copy of *Computer Shopper*, then spend the four to eight hours necessary to do comparative shopping in its pages in order to home in on an affordable, inexpensive system. This advice is still good. It gives you a fairly rapid picture of current prices in the industry.

However, this approach does not really tell you which brand of computer in a particular price class is the best (or even more important, the worst). It also does not reveal which companies are reliable, and easy to work with in the event of a problem. For this information, you will have to consult back issues of several different computer magazines that have published reviews on brand performance or customer service surveys.

All of this can be a formidable task, especially if you are not experienced in all the nuances of comparing Central Processing Units (the CPU is the

hard drives, monitors and so on. Even with experience, the job can be frustrating and time consuming.

My personal solution is to purchase either parts or complete systems locally from an honest vendor who knows his stuff, and who sells at a competitive price. Several years ago, Dave Barrow (N9UNR) recommended a person who has turned out to fit the bill. He doesn't have a fancy store or showroom; he builds units in his basement. But, those units are really good, in performance and value. I purchased a number of complete systems from him over the years for my employer, as well as several motherboards, hard drives and other parts for myself. His prices have proven to be as good as or better than mail order vendors advertising in *Computer Shopper*. Very important, he knows computers well, and his offerings upgrade rapidly with new advances in the field. Most important, he is helpful, honest, and stands behind his products. Everyone I know who has dealt with him feels the same way.

I originally intended to write this issue using generalities, without naming any particular vendor. After some thought, it seemed clear that most readers would really want to know specifics. Therefore, I will name names, even at the risk of sounding like an advertisement. But please note that I gain nothing from this plug; I am merely one of Mr. Putnins' very satisfied customers.

I spoke with Jerry in mid-September, and he gave me the following system quote (you might want to leave this page lying around for your OM or XYL to spot while trying to figure out what to get you for a Christmas present). This is what he expects to have in December as a basic, "starter" system.

how industry prices change in October and November, this may well be upgraded to a 100 MHz 486 chip with no price increase, but Jerry cannot guarantee this at this time).

MEMORY: 8 Mbytes RAM installed (note this is eight, not four)

DRIVES: 1.44 Mbyte (3 1/2") floppy, 540 Mbyte hard drive

MONITOR: Super VGA color monitor

MISC: Mini-tower case, 230 watt supply, keyboard included

SOFTWARE: Windows 95, plus a whole variety of other shareware utilities, games and programs.

PRICE: \$950, plus tax

All software is installed and ready to go when you power up. And, of course, you must pick up the system. Call Jerry for further details, or to have him help you design a system to fit your needs.

Quite a value. An amazing feature of this system is the computing power it supplies for relatively few dollars, especially when considering that around 5 or so years ago, this was very close to the price for a starter XT system, with two floppies, but no hard drive!

If you call Jerry, tell him you read about him in the *Computer Corner*.

The full name and address are: Computer Research and Applications - Jerry Putnins, 15500 W. Rogers Drive, New Berlin, WI 53151, (414) 782-3399. □

Reprinted, by permission, from the ORC Newsletter, *Ozaukee Radio Club*, P.O. Box 13, Port Washington, Wisconsin 53074 (Ray Meyer, N9PBY, Editor). □

For The Ladies

By Nancy Johnson,
N9NZM
407 Adams Street
Fort Atkinson, WI
53538



We received this very nice letter from Joe Eide, KB9R, of Eau Claire:

September 17, 1995

Hi Nancy:

After reading your last column started to think of the women in our club and their contributions. We have over 20 women in our roster.

Enclosed is a snapshot of the gals attending our last meeting. From left to right are: Sue Eide-KB9EUP, Carol Ceraso - N9TUA, Liz Searing - N9EQR, Nolene Harison - N9MNA, and Judy Spangler.

Sue has been our club treasurer for four years. She assists with VE testing. She has also been spotted selling ham gear at various hamfests around the area. She enjoys fox hunting.

Liz and Carol have been instrumental with the organization of our hamfest. They have handled hamfest table reservations, been contact people for hamfest information and helped with prize drawings.

Nolene has organized the hamfest kitchen several times. She helps decorate our Christmas party and acts as a liaison for Santa. She has been seen chasing the fox.

Other gals (not pictured) help with hamfest setup and tear down, help provide communications for public events, and many other worthwhile duties. We even have an extra class VE examiner in our group.

As you can see, we really appreciate these YL's and XYL's.

73, Joe, KB9R

I would like to hear from you, and I would like to have you contribute as well. Please enclose a picture too. Write to Nancy Johnson, N9NZM, 407 Adams St., Fort Atkinson, WI 53536.

It's great to see the ladies active, but what club are you with? It's great that we all are good at something different, so we can all be active in a club and do something we enjoy. Thanks for the letter, ladies.

Jim, K9ZZ, the editor of *Badger State Smoke Signals* and a friend of my hubby's asked me to write this column. I'm not sure if he knew what he was in for.

I am a member of the SEWFARS group, which hangs out on the 82 repeater in Delafield.

By the way, guys, I have had some good input from you as well! It's nice to know that this paper is being read. That includes this column, and there is no law which excludes you from reading it, even if we give you a hard time now and then. In case no one noticed, the two responses I've gotten are from Eau Claire. There must be more ladies out there and from other areas as well.

To change the subject, studying for the first ham exam can be trying at best. There are several methods and all apparently work, some better than others. In talking with other hams, here are some of them. First is studying on your own: buy a book, read and quiz yourself. The second is to have a study buddy, some one who will quiz you and help you understand the questions that you got wrong.

Another method is a computer which will run a program to quiz the student. This can prove to be more difficult to the beginner as the computer only tell you if you're right or wrong, but without explanations. Still another method is tapes, video and audio, which just speak the information.

The best method I have found is classes. You are able to ask questions of an instructor who will help you understand, and who will clarify difficult or new material. It seems like everyone gets nervous when it comes to taking the test, and this sometimes can be the most difficult obstacle in passing the test. Most of us fear the failure.

It seems like most hams struggle with one part of the test or another, some the written, and others



From left to right are some of the YL and XYL members of the Eau Claire Amateur Radio Club. They are Sue Eide, KB9EUP; Carol Ceraso, N9TUA; Liz Searing, N9EQR; Nolene Harison, N9MNA, and Judy Spangler. The photo was sent by Joe Eide, KB9R.

the code. I have found that at this time of year it's difficult to find a class; no one has yet organized the times or dates as of yet.

Some hams demand perfection of themselves when it comes to taking a test. They must pass with the least mistakes on their test. This may go back to some previous time of our lives hinting we get a better grade by less wrong, as if simply passing weren't enough. Does this take you back to grade school or what? We are so used to letter grades that we have difficulty dealing with a pass or fail method.

Everyone seems to have their own proven method that they swear by, as it worked well for them and some of their friends as well. Whatever method you try, stick at it, study hard, and you will find that persistence pays off.

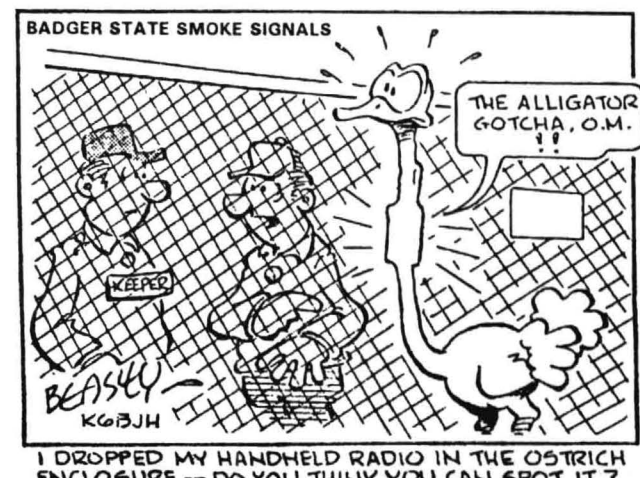
Good luck. □

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Continued from front page

of Oshkosh businesses that had provided items for door prizes in appreciation for these donations. Next acknowledgments went to those from the chapters who had helped in various ways to make this meeting a success. Those named were:

- Larry/WA9JMO and Wendy/N9PAC Mc Calvy—Program Speakers
- Verne Teske/W9RYA—Invocation
- Carl Plotz/WB9JSW—Photographer
- Dick Lemme/KB9FA—Hard working Co-chairperson
- Bob Jensen/W0WLN—Secretary/Treasurer, Chapter 162
- Gene Santoski/K9UTQ—Secretary, Chapter 174
- Craig Carpenter/N9HMD—Treasurer, Chapter 174
- Jack Krause/W9JK—Secretary, Chapter 55
- Erv Froehlich/W9RZW—Treasurer, Chapter 55.

After a few announcements, representatives from the three chapters reported on their chapters and made certificate presentations.
Bill Komistra/W9OVZ, President, reported on Chapter 162 and presented certificates to:

- Emmett Algiers/W9HR—Golden Certificate for 55 years
- Herb Ladwig/W9PHJ—Golden Certificate for 50 years

Tom Liska/K9CJM—President, reported on Chapter 174 augmented with comments from Bob Baird/W9NN and Gene Santoski/K9UTQ.

Ed Seruga/KE9JJ—Chairman, reported on Chapter 55 and presented membership certificates to these new members:

Del Clark/KA9ZMK



Dick Lemme, KB9FA (left), and Del Clark, KA9ZMK (center), received their New Member certificates from Chairman Ed Seruga, KE9JJ, of Chapter 55.

- Photo by Carl Plotz/WB9JSW

Dick Lemme/KB9FA.

Then followed a most interesting program on Visits to Russia and Siberia by Wendy/N9PAC and Larry/WA9JMO Mc Calvy. Their slide presentation was augmented with comments on their experiences. Also, they had on display many lovely and interesting mementos from these trips.

A drawing for many door prizes followed the program. First though, each received a kerchief having the Oshkosh B' Gosh logo on it. This was a memento of this first joint meeting here in Oshkosh. Dick Lemme/KB9FA and Chapter 55

Continued on page 9

WISCONSIN REPEATER DIRECTORY

Courtesy of the Wisconsin Association of Repeaters

The WISCONSIN ASSOCIATION OF REPEATERS is an organization of Trustees and representatives of repeaters, state-wide, whose goal is mutual cooperation on The VHF UHF spectrum, in The voluntary spirit of Amateur Radio.

GENERAL FREQUENCY COORDINATION POLICIES

- 1. We attempt To place no Two repeaters on The same pair closer Than 120 miles.
- 2. We attempt To place no repeater on a 15 kHz split pair closer Than 40 miles To any adjacent 30 kHz standard spacing machine.
- 3. We not only assist proposed repeaters in finding a frequency Where possible, but we actively attempt To protect coordinated repeaters' frequencies from interference whenever possible.
- 4. W.A.R. has suggested band plans for most of the FM spectrum, a subaudible tone plan for the State of Wisconsin and all necessary information for coordination of new or modifications To existing repeaters. Contact The Frequency Coordinator.

Dave Barrow III, N9UNR
Wisconsin Association of Repeaters
1894 Elm Drive
West Bend, WI 53095-9603

O	Carrier Access	PL	Sub-Audible Continous Tone
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A	Autopatch	(CA)	Closed Private Autopatch
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Z	Autopatch To Law Enforcement	X	Wide Area Coverage

Wisconsin Sub-Audible Tone Plan By Region			
North Central	- 2A, 114.8 HZ.	North East	- 1B, 107.2 HZ.
North West	- 2Z, 110.9 HZ.	South Central	- 3Z, 123.0 HZ.
South East	- 3A, 127.3 HZ.	South West	- 3B, 131.8 HZ.

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ANTIGO	NC	145.310	KD9HH	O A E Z	* KD9HH	03/28/95
APPLETON	NE	145.150	WD9FLJ	O T107.2 CA E Z	* O CO REDX	03/28/95
APPLETON	NE	145.330	WD9FLJ	O T107.2	* F V VHF A	01/15/95
APPLETON	NE	146.655	KB9ENO	O T107.2 A E	* ECR LTD	04/07/95
APPLETON	NE	146.760	K9QOQ	O T100.0 E X R	* F V VHF A	01/15/95
APPLETON	NE	147.195	N9PAO	O T107.2	* VRG	04/07/95
APPLETON	NE	442.125	WX9C	O T110.0	* WX9C	05/29/95
APPLETON	NE	443.650	W9IEI	O	* F V VHF	01/15/95
ASHLAND	NW	52.950	KB9AMY	O CA E	* KB9AMY	03/06/95
ASHLAND	NW	145.350	KB9AMY	O CA E	* KB9AMY	03/06/95
ASHLAND	NW	442.350	KB9AMY	O CA E	* KB9AMY	03/06/95
ASHWAUBENON	NE	443.500	KB9AMM	O CA E	* TEARUG	03/20/95
BALSAM LAKE	NW	147.195	N9QFW	O T110.9	* N9QFW	05/29/95
BALSAM LAKE	NW	224.900	N9QFW	O T110.9	* N9QFW	05/29/95
BALSAM LAKE	NW	443.900	N9QFW	O T110.9	* N9QFW	05/29/95
BARABOO	SC	145.310	N9KXX	O T123.0	* N9KXX	04/07/95
BARABOO	SC	146.880	K9YXW	O T123.0 E X	* CWRA 6/88	08/03/95
BARABOO	SC	147.315	N9QIP	C E X L	* N9QIP/WIN	07/24/95
BARABOO	SC	224.660	KE9KX	O TT-200 IF QRM	* KE9KX	06/10/95
BARABOO	SC	442.950	KB9KIR	O T123.0	* KE9KX	06/10/95
BARABOO	SC	444.250	N9KXX	O T123.0	* BSRG	04/16/95
BAYFIELD	NW	146.610	W9BCY	O A	* NLAND ARC	03/20/95
BELDENVILLE	NW	147.225	WBOWOT	O T A E	* B.A.T.S.	05/16/95
BELDENVILLE	NW	224.840	WBOWOT	O T A E	* B.A.T.S.	05/16/95
BELDENVILLE	NW	443.225	WBOWOT	O T A E	* B.A.T.S.	05/16/95
BELOIT	SC	146.670	WA9JTX	O T123.0OR*77 E R	* BELOIT AR	05/28/95
BELOIT	SC	224.300	N9BUL	O TT CA	* C.B.S. RG	07/14/95
BERLIN	SC	145.210	N9PSC	O	* N9PSC	09/05/94
BERLIN	SC	443.850	N9AOZ	O T123.0 A	* N9AOZ	04/07/95
BLUFF SIDING	SW	146.835	WB0BDI	O	* WARC	09/09/94
BURLINGTON	SE	146.745	WB9CAS	O T127.3	* WB9CAS	04/16/95

BURLINGTON	SE	224.060	N9BBQ	O A E LINKS	* SE WI ERS	04/16/95
BURLINGTON	SE	443.925	KC9XN	O T114.8	* LAKCARS	07/03/95
CALEDONIA	SE	442.500	WA9KVE	O	* WA9KVE	03/20/95
CAMERON	NW	443.650	N9KOR	O E CA	* N9KOR	04/10/94
CEDARBURG	SE	442.100	KA9QLP	O T127.3	* KA9QLP	01/10/95
CHIPPEWA FALLS	NW	147.375	WD9HFT	O T110.9	* WD9HFT	03/20/95
CHIPPEWA FALLS	NW	442.300	WD9HFT	O T110.9	* WD9HFT	03/20/95
CLEVELAND	NE	444.175	KF9SJ	O T107.2	* KF9SJ	02/22/95
CRIVITZ	NC	145.470	KA9YQJ	O T107.2	* KA9YQJ	01/30/95
CUDAHY	SE	224.900	NK9G	O T.T.	* NK9G	04/16/95
DELAFIELD	SE	146.820	KE9QP	O T127.3 CA EX Z	* SEWFARS	05/28/95
DELAFIELD	SE	444.125	KE9QP	O T114.8 E	* SEWFARS	05/28/95
DORCHESTER	NC	145.270	WA9ZCO	O A E	* WA9ZCO	10/10/94
EAGLE RIVER	NC	145.390	KD9PT	O	* KD9PT	04/10/94
EAU CLAIRE	NW	146.910	K9UXP	O A E X	* E C ARC	01/14/95
EAU CLAIRE	NW	147.240	WU9R	O E	* E C ARC	01/14/95
EAU CLAIRE	NW	224.400	N9RSU	O	* N9RSU	03/20/95
EAU CLAIRE	NW	443.300	KB9R	O E	* KB9R	03/20/95
EAU CLAIRE	NW	444.925	N9RSU	O T67.0	* N9RSU	03/20/95
ELKHORN	SE	146.865	WA9AJW	O	* LAARC	04/16/95
FITCHBURG	SC	444.000	KA9VDU	O T114.8 CA L	* BURG	05/28/95
FOND DU LAC	NE	145.430	K9QYC	O	* N9PJQ	01/16/95
FOND DU LAC	NE	147.090	WD9ESH	O T107.2 CA E R	* FDL. RPT	07/26/94
FOND DU LAC	NE	223.900	WA4COY	O CA	* WA4COY	03/28/95
FOND DU LAC	NE	444.150	WA4COY	O T107.2 A	* WA4COY	03/28/95
FORT ATKINSON	SC	53.090	AA9AD	O T103.5 X WX	* S.W.R.G.	04/07/95
FORT ATKINSON	SC	145.490	W9MQB	O	* TCARC	04/10/94
FORT ATKINSON	SC	224.420	N9DIT	O	* N9DIT	04/10/94
FORT ATKINSON	SC	442.300	N9QIP	C T100	* N9QIP/WIN	07/24/95
FORT ATKINSON	SC	442.750	N9DIT	O T123.0	* N9DIT	04/10/94
FRANKLIN	SE	1282.500	KD9Y	O	* KD9Y	04/07/95
FRANKSVILLE	SE	223.800	KC9NG	O T127.3	* KC9NG	03/20/95
GERMANTOWN	SE	224.180	W9CQO	O	* O.R.C.	07/26/94
GERMANTOWN	SE	443.225	WD9DHI	O T114.8	* W E R A	05/28/95
GERMANTOWN	SE	444.525	WD9IEV	O T114.8	* WD9IEV	03/20/95
GILLINGHAM	SC	147.120	K0DB	O	* K0DB	08/01/94
GRANTON	NC	146.775	W9FPE	O	* W9FPE	11/20/94
GREEN BAY	NE	147.075	N9PAW	O T107.2	* AHSTC	04/07/95
GREEN BAY	NE	147.120	K9GB	O T107.2 A E Z	* G B M&K	02/06/95
GREEN BAY	NE	147.270	KB9ALN	O T107.2 L 145.11	* NEW RL	01/15/95
GREEN BAY	NE	147.360	K9EAM	O A Z	* GB M&K	03/28/95
GREEN BAY	NE	223.940	KB9DSV	O	* KB9DSV	04/07/95
GREEN BAY	NE	224.140	K290	O T107.2 A E	* RADACTV	03/20/95
GREEN BAY	NE	443.750	N9IIE	O L 146.685	* RRU	01/15/95
GREEN BAY	NE	444.775	K9EAM	O CA E Z	* G B M&K	06/12/94
HARTFORD	SE	53.010	K9MLD	O T103.5	* K9MLD	05/28/95
HAYWARD	NW	147.255	W9NNS	O A E Z L X	* NVWA	06/12/94
HAYWARD	NW	444.850	N9EGE	O	* N9EGE	03/20/95
HILBERT	NE	53.170	KN9P	O	* KN9P	03/20/95
HILBERT	NE	146.895	N9OBG	O T146.2/151.4	* N9OBG	04/07/95
HIXTON	SW	146.940	KC9YE	O	* T-J RA	03/20/95
HOLCOMBE	NW	52.810	N9LIE	O	* N9LIE	06/18/95
HOLCOMBE	NW	145.470	N9LIE	O T110.9	* N9LIE	06/18/95
HOLCOMBE	NW	147.345	N9QWH	O L PRK FLS&HYWR	* N9QWH	06/18/95
HOLCOMBE	NW	444.525	N9LIE	O T110.9	* N9LIE	04/04/95
HOLLANDALE	SC	146.655	KB9AKM	O T123.0	* ICATS	06/10/95
HOLLANDALE	SC	444.550	N9QIP	C	* N9QIP/WIN	07/24/95
HUDSON	NW	145.130	W9AVX	O CA R E	* SCC RACES	06/18/95
HUDSON	NW	146.955	K0LAV	O TTON287 TTOFF128*	* K0LAV	07/13/95
IOLA	NC	444.650	N9NOI	O T114.8	* N9NOI	03/20/95
IRMA	NC	146.730	K9GTQ	O	* K9GTQ	06/18/95
IRON RIVER	NW	147.270	W0KMT	O T114.8 E	* W0KMT	12/19/94
JANESVILLE	SC	145.450	WD9ACY	O	* R.A.T.S.	05/28/95
JANESVILLE	SC	147.075	KB9YC	O T123.0	* KB9YC	05/28/95
JUNEAU	SC	146.640	WB9ADB	O T123.0	* ROCK R RC	03/20/95
KAUKAUNA	NE	444.450	ND9Z	O T107.2 CA	* ND9Z	03/28/95
KEMPSTER	NE	53.010	K9MLD	O T103.5	* K9MLD	03/20/95
KENOSHA	SE	224.800	WB9LST	O T114.8 A E	* K.A.R.S.	06/10/95
LA CROSSE	SW	146.700	WA9HCZ	O RTTY 2125MARK	* WA9HCZ	05/28/95
LA CROSSE	SW	146.970	K0JYB	O A E X	* RVRLNDARC	07/20/95
LA CROSSE	SW	147.090	N9ETD	O	* MVARA	04/16/95
LA CROSSE	SW	444.600	WA9HCZ	O	* ONA ARC	03/20/95
LA VALLE	SC	442.400	W9EBF	O T123.0	* W9EBF	04/16/95
LAC DU FLAMBEAU	NC	146.670	N9AFN	O T107.2	* N9AFN	03/20/95
LAC DU FLAMBEAU	NC	146.700	W9BTN	O T114.8	* W9BTN	03/20/95



Ask Elmer

Q. I live in the Milwaukee area and would like to get a list of bulletin boards in the area.

A. Give Mark Grabowski a modem call at the Imaginary Reality BBS and get a copy of his list of over 170 BBS in your area. This BBS can be phoned at 827-8802, the list can be found by hitting "B" at the main menu and then the number "1". To have a system added to the list, leave Mark a message with all the details.

Q. What are smilicons?

A. Smilicons are pictures made with letters and symbols from the keyboard. "I just got a bad perm," is 88888:-o (tilt this sideways to see it better). An electronic rose is @-}-}-}-. Two faces are happy :-)) and sad :-(-.

Q. What does ANSI.SYS do in the computer?

A. This device driver is loaded through CONFIG.SYS and is used to control the display and keyboard. It is frequently used for color screens in DOS for user menus but otherwise is not needed.

Q. What are "green" PCs?

A. These are the personal computers that power down when you're not using them to save electrical

energy. First the hard drive and then the CPU shuts down. Disadvantages are that green PCs have been known to fall off the network.

Q: How can I prevent computer operators from fiddling with the Windows program I have on the network?

A: Edit the PROGRAM.INI file instructions. You can prevent saving settings on exit (set to = 1), remove the file menu, turn the break off, allow for no exit and change the security level from 1 to as high as 4. Write down the original values before making any changes, just in case you want to return to them later.

Do you have a question or a problem? Ask Elmer! Send your questions (no telephone calls, please) to "Ask Elmer," 5003 South 26th Street, Milwaukee, WI 53221. □

Operate Before Your New License Arrives; Average Age of New Hams Appears on Downward Trend

A reminder that if you know someone waiting for a brand new (first) call sign, recent FCC rules changes allow new hams to start operating as soon as the license is issued. The ARRL has a new number that eager hams-to-be can call (between 7 a.m. and 3 p.m. Central Time Monday through Friday) to find out their new call sign - if their VEC

is using electronic filing with the FCC. The number is 1-800-326-3942.

And, according to FCC statistics, the number of new licensees who are age 21 and under increased by 707 in August. This was an increase over the monthly averages for 1995, which have been running 555.

- The ARRL Letter, 10/2/95



SSB

SELL SWAP BUY

OUR WANT ADS GET RESULTS

FOR SALE: Yaesu FT-757GXII transceiver, FC-757AT automatic antenna tuner, FP-757HD power supply. Complete package, \$1150.00. MFJ-945D 300 watt antenna tuner with cross-needle meter, \$70.00. **WANTED:** AEA CP-1 interface; Johnson Viking Navigator. Herman J. Ludvik, W9HJV, 1311 So. 15th St., La Crosse, WI 54601. (608) 782-2029.

FOR SALE: PK-88 packet controller. Hy Gain TH3-MK3 Thunderbird 3-element tri-band, 10, 15, and 20 meters. Hy Gain Model 2BDQ 1/2-wave trap doublet antenna. CDE Ham II rotor. Kenwood TM701A 144/440 MHz dual bander. 10-meter rotatable dipole. KE9WO, (414) 564-3955.

THERE IS NO CHARGE for publication of non-commercial ads in Sell, Swap, Buy. Ads may be sent either to Ken Ebner, K9EN, 822 Wauona Trail, Portage, WI 53901, or Jim Romelfanger, K9ZZ, 412 1/2 Ash Street, Baraboo, WI 53913. To minimize risk of errors, no ads will be taken verbally. □

LODI	SC	147.225	K9EYY	O	T123.0	A E	K9EYY	08/15/94	PORT WASHINGTON	SE	147.330	WB9RQR	O	T127.3	CA E X Z	* OZARES	07/28/95
LUXEMBURG	NE	443.700	N9DKH	O	T107.2		* N9DKH	02/15/95	PORT WASHINGTON	SE	443.525	WB9RQR	O	T114.8	CA E X Z	* OZARES	07/28/95
MADISON	SC	53.070	N9KAN	O	T103.5	CA	* S.W.R.G.	04/16/95	RACINE	SE	53.210	N9GKH	O	T127.3	1&1.7SPLT*	N9GKH	05/28/95
MADISON	SC	146.685	W9YT	O	T107.2	E	* UW BARS	04/07/95	RACINE	SE	147.270	W9UDU	O	CA E Z	I R WX	* LAKESHORE	07/21/95
MADISON	SC	146.940	N9KAN	O	T123.0		* C W R A	03/20/95	RACINE	SE	442.000	KB9HSJ	O	T127.3	CA	* A.C.T.	07/12/95
MADISON	SC	147.150	WB9AER	O	T123.0	CA E Z	* M A R A	03/20/95	RACINE	SE	442.200	N9OEZ	O	T103.5	L	* C.A.R.S.	05/28/95
MADISON	SC	224.160	WB9RSQ	O	T123	AEZL	* WB9RSQ	03/28/95	RACINE	SE	443.950	KA9JMK	O	T127.3		* KA9JMK	06/18/95
MADISON	SC	444.500	WB9TAE	O	T123.0	CA E L	* WB9TAE	07/21/95	RACINE	SE	444.950	WA9BDX	O	T114.8		WA9BDX	04/10/94
MADISON	SC	444.775	NG9V	O	T114.8		* NG9V	08/03/95	RHINELANDER	NC	145.210	KA9TCC	O	CA E		NWARC	06/12/94
MADISON	SC	444.925	WB9TAE	O	T123.0		* WB9TAE	07/21/95	RHINELANDER	NC	146.940	W9ZZZ	O	A E		* RHIN RP A	03/20/95
MANITOWOC	NE	145.190	WB9MFB	O	T107.2		* WB9MFB	06/18/95	RICE LAKE	NW	147.030	WB9WFG	O			* BAR ARES	03/28/95
MANITOWOC	NE	146.610	W9DK	O	TT	CA E	* MANCORAD	03/20/95	RICE LAKE	NW	443.700	WB9PRI	O			* WB9PRI	01/11/95
MANITOWOC	NE	147.030	N9GHE	O	T107.2	A	* N9GHE	03/28/95	RIDGEVILLE	SW	145.390	N9BOE	O	E Z		* MCARC	04/16/95
MANITOWOC	NE	224.540	N9GHE	O			* N9GHE	03/28/95	RIDGEVILLE	SW	444.850	KB9EBX	O	T167.9		* KB9EBX	03/20/95
MANITOWOC	NE	443.975	N9GHE	O	A		* N9GHE	03/28/95	RIVER FALLS	NW	443.800	K9ZMA	O			* K9ZMA	05/28/95
MARSHFIELD	NC	145.490	W9FYP	O			* W9FYP	03/20/95	RUBICON	SC	145.350	WB9KPG	O	A E Z		* WB9KPG	01/11/95
MARSHFIELD	NC	147.180	AA9BN	O	A E Z	L444.975	MAARS	07/25/94	SAYNER	NC	145.130	N9QGG	O	A E Z911	X	* MERRIL RA	08/31/95
MAUSTON	NC	146.850	N9FVP	O			* ARCOFCW	04/06/95	SCANDINAVIA	NE	444.900	N51IA	O	T114.8		* N51IA	06/18/95
MEDFORD	NC	147.150	W9QHI	O	A E	WX	* TAYLOR	06/18/95	SHAWANO	NC	145.350	KA9NMY	O	T114.8	CA XZE	* KA9NMY	07/25/94
MENOMONEE FALLS	SE	444.425	KA9FIN	O			SHRINE	04/10/94	SHAWANO	NE	224.480	KG9AL	O	T114.8	E	* KG9AL	02/15/95
MENOMONIE	NW	146.610	WB9YMB	O	E X		* R CDR RA	06/18/95	SHEBOYGAN	NE	147.255	N9REH	O	T127.3		* N9REH	04/16/95
MENOMONIE	NW	443.575	N9KIP	O			N9KIP	04/10/94	SHELL LAKE	NW	147.045	N9PHS	O	A R		* NOR WEST	09/07/95
MEQUON	SE	443.750	WA9POV	O	T114.8		* WA9POV	07/18/95	SISTER BAY	NE	147.180	W9AIQ	O	T107.2	CA E	* DC ARC	07/25/95
MERRILL	NC	145.450	KB9DZG	O			KB9DZG	12/17/94	SLINGER	SE	52.830	W9MQD	O			* W9MQD	11/01/94
MERRILL	NC	146.970	N9QGG	O	A E	Z911 X	* MERRIL RA	08/31/95	SOLO SPRINGS	NW	145.490	K9ASC	O	A E		* DC RACES	12/18/94
METOR HILL	NW	53.150	N9QWH	O	USE	-1 MHZ NOW	* N9QWH	06/18/95	SPOONER	NW	147.135	KE6WF	O	E Z	L 223.2MHZ.	* KE6WF	03/20/95
MILTON	SC	146.715	K9RIJ	O	CA E		* K9RIJ	03/20/95	SPOONER	NW	444.800	KE6WF	O			* KE6WF	03/20/95
MILTON	SC	443.175	K9RIJ	O	E		* K9RIJ	03/20/95	SPOONER/HERTEL	NW	147.300	WB9RBD	O	CA E Z		* B.A.R.S.	03/20/95
MILWAUKEE	SE	29.620	WB9ZRB	O	T127.3		* IND RP SY	07/03/95	SPOONER/HERTEL	NW	224.500	WB9RBD	O	A E Z		* B.A.R.S.	03/20/95
MILWAUKEE	SE	52.990	N9PPX	O	T103.5	A Z	* N9PPX	05/28/95	SPOONER/HERTEL	NW	443.500	WB9RBD	O	A E Z		* B.A.R.S.	03/20/95
MILWAUKEE	SE	53.030	WB9TRO	O	T103.5		* W.E.R.A.	04/16/95	ST LAWRENCE	SE	146.730	W9MQD	O			* WC ARC	07/12/95
MILWAUKEE	SE	52.680	WB9ZRB	O	T127.3		* IND RP SY	07/03/95	STEVENS POINT	NC	146.670	WB9QFW	O	A E Z		* CWRA LTD	03/28/95
MILWAUKEE	SE	145.130	N9EGR	O	T127.3	A E L Z	* MAARS	07/25/95	STEVENS POINT	NC	146.985	W9NN	O	A E Z		* CWRA LTD	03/28/95
MILWAUKEE	SE	145.170	W9FK	O	T127.3		* WARAC	07/16/95	STEVENS POINT	NC	444.700	KC9NW	O	E CA L		* KC9NW	07/19/95
MILWAUKEE	SE	145.390	WB0AFB	O	T127.3		MATC RC	04/10/94	STOUGHTON	SC	443.325	N9LHS	O	T114.8		* N9LHS	03/20/95
MILWAUKEE	SE	146.625	WB9ZRB	O	T127.3		* WB9ZRB	07/03/95	STURGEON BAY	NE	146.730	WB9YUY	O	T107.2	R E	* WB9YUY	04/07/95
MILWAUKEE	SE	146.670	W9WK	O	T127.3		ARES	12/19/94	STURGEON BAY	NE	147.210	W9AIQ	O	CA A E X Z		* DC ARC	07/25/95
MILWAUKEE	SE	146.850	W9KHO	O	T127.3		MICORS	07/26/94	STURGEON BAY	NE	444.000	WB9YUY	O			* WB9YUY	04/07/95
MILWAUKEE	SE	146.910	WA9JOB	O	T127.3	E Z X	* M.R.C.	06/10/95	STURGEON BAY	NE	920.000	WB9YUY	O			* WB9YUY	04/07/95
MILWAUKEE	SE	147.000	W9PY	O	T146.2		* P.R.C.	03/20/95	STURGEON BAY	NE	1282.100	WB9YUY	O			* WB9YUY	04/07/95
MILWAUKEE	SE	147.045	W9RH	O			* M.R.A.C.	04/16/95	STURTEVANT	SE	29.640	WA9ZYU	O			* WA9ZYU	04/10/94
MILWAUKEE	SE	147.105	K9IFF	C	CA TT		* K9IFF	03/20/95	STURTEVANT	SE	224.740	WA9ZYU	O			* WA9ZYU	04/10/94
MILWAUKEE	SE	147.165	WB9SDD	O	T127.3		* WB9SDD	03/28/95	SUPERIOR	NW	444.900	WA9KLM	O	A E		* WITC ARC	04/10/94
MILWAUKEE	SE	147.210	W9ODD	O	T127.3		* M.U. RAMS	03/20/95	TIGERTON	NC	147.135	KF9TS	O	T E A R		* KF9TS	06/18/95
MILWAUKEE	SE	223.860	WB9UOS	O			WB9UOS	04/15/94	TOMAH	SC	444.800	N9QIP	C	T100		* N9QIP/WIN	07/24/95
MILWAUKEE	SE	442.200	N9OEZ	O			N9OEZ	09/09/94	TOMAHAWK	NC	53.110	N9CLE	O	P		* TOM RP A	05/28/95
MILWAUKEE	SE	442.650	N9VBK	O	T114.8	CA	N9VBK	09/09/94	TOMAHAWK	NC	145.430	N9CLE	O	A E Z911	X	* TOM RP A	05/28/95
MILWAUKEE	SE	443.050	N9OSK	O			N9OSK	08/22/94	TOMAHAWK	NC	223.760	N9CLE	O			* TOM RP A	05/28/95
MILWAUKEE	SE	443.150	W9KHO	O	T114.8		MICORS	07/26/94	TOMAHAWK	NC	444.575	N9CLE	O			* N9CLE	05/28/95
MILWAUKEE	SE	443.300	WB9TYT	O	T114.8	CA TT D	* WB9TYT	07/18/95	TREVOR	SE	145.290	KA9VZD	O	T A E L Z X		* STLIN ARC	03/20/95
MILWAUKEE	SE	443.550	K9HXA/A	C			* K9HXA	03/20/95	TREVOR	SE	442.600	KA9VZD	O	T E A Z		* KA9VZD	03/20/95
MILWAUKEE	SE	444.200	K9HXA/A	C			* K9HXA	03/20/95	UNION GROVE	SE	442.250	N90IG	O	T114.8	L444.875	* N90IG	03/20/95
MILWAUKEE	SE	444.325	N9CFG	O	T114.8		* B.I.O.S.	03/20/95	WABENO	NE	145.110	KF9DB	O	T107.2	L 147.27	* NRL	01/15/95
MILWAUKEE	SE	444.800	K9HXA/A	C			* K9HXA	03/20/95	WALES	SE	224.120	WB9DRO	O	T127.3		* WB9DRO	04/07/94
MILWAUKEE	SE	444.825	WJ9Z	O	T136.0		WJ9Z	08/01/94	WAUKESHA	SE	147.390	N9KS	O	T141.3		* EARS/KMRA	07/25/95
MILWAUKEE	SE	444.850	WB9TRO	C	T A E L		* W.E.R.A.	04/16/95	WAUKESHA	SE	224.460	KX3H	O	T127.3		* KX3H	09/09/94
MILWAUKEE	SE	444.875	WB9TRO	O	T127.3		* W.E.R.A.	04/16/95	WAUPACA	NC	145.410	WB9ICH	O	T		* MIDWI ARG	03/20/95
MILWAUKEE	SE	444.875	WB9TRO	O	T127.3		* G C ARA	03/20/95	WAUPACA	NC	146.925	N9BKJ	O	A E X R Z		* N9BKJ	03/28/95
MONROE	SC	145.110	NR9W	O			* W9DMH	03/20/95	WAUPACA	NC	147.390	WA9FDC	O	X A R		* WP'ACA RC	04/10/94
MT STERLING	SW	147.360	W9DMH	O			* W9EBF	04/16/95	WAUPACA	NC	444.825	N9BKJ	L			* N9BKJ	08/01/94
NEW BERLIN	SE	147.285	W9EBF	O	T127.3		* C.A.R.E.S	03/20/95	WAUSAU	NC	53.450	W9BCC	O			* R.M.R.A.	07/19/95
NEW HOLSTEIN	NE	147.300	K9LGU	O	A E Z		* N9LIE	06/18/95	WAUSAU	NC	145.230	KF9RU	O	T114.8		* KF9RU	05/29/95
NEW RICHMOND	NW	145.270	N9LIE	O	T110.9		* N9LIE	06/18/95	WAUSAU	NC	146.820	W9BCC	O	CA E X L		* R.M.R.A.	07/19/95
NEW RICHMOND	NW	444.675	N9LIE	O	T110.9		* N9LIE	06/18/95	WAUSAU	NC	147.060	W9KRY	O	T114.8	X CA E	* KC9NW	07/19/95
NORTH FREEDOM	SC	443.675	KD9UU	O	T114.8	WX X L	* S.W.R.G.	04/16/95	WAUSAU	NC	421.250	AD9W	O	E L AURAL + 4.5		* RMATS	04/10/94
ODGENSBURG	NC	147.015	N9BKJ	O	A E L R X	WX A	* N9BKJ	02/22/95	WAUSAU	NC	421.250	AD9W	O	OEL VIDFM AUD+4.5		* RMATS	04/10/94
ODGENSBURG	NC	147.165	N9NOJ	O	T103.5	R	* N9NOJ	02/22/95	WAUSAU	NC	421.250	AD9W	O	OEL VIDFM AUD+4.5		* RMATS	04/10/94
ONALASKA	SW	444.475	W9LZQ	O			RARC	12/17/94	WAUSAU	NC	923.250	AD9W	O	E L AURAL + 4.5		* RMATS	04/10/94
OSHKOSH	NE	147.345	N9AOT	O	T107.2		SOLAR	12/17/94	WAUSAU	NC	1250.000	AD9W	O	E L AURAL + 4.5		* RMATS	04/10/94
OSHKOSH	NE	443.450	W9FH	O	A	</											



President Bill Komistra, W9OVZ, presents to Herb Ladwig, W9PHJ, and Emmett Algiers, W9HR, their Golden Certificates, 50 and 55 years, respectively.

- Photo by Carl Plotz/WB9JSW



Wendy (N9PAC) and Larry (WA9JMO) McCaivy's table display of Russian and Siberian mementoes.

- Photo by Carl Plotz/WB9JSW

jointly donated these kerchiefs. Chapter 162 donated lovely artificial bouquets as ladies' prizes that also served as table centerpieces. Additional prizes donated by: Kitz and Pfeil Hardware, Pepsi-Cola Bottling of Oshkosh, and Coca-Cola Bottling of Wisconsin were evenly divided between the ladies and men. The main door prizes were two \$25.00 gift certificates donated by Miles Kimball of Oshkosh. The lucky lady and man made use of the certificates at the Miles Kimball Outlet Store before departing Oshkosh.

After the meeting adjourned, some groups gathered to have their pictures taken, while others viewed the exhibited items before departing.

Was the meeting a success? Apparently so, as planning is already in progress to do it again the last Saturday in August 1996 with Chapter 162 planning to be the host chapter. □

NEW PRODUCTS

CQ INTRODUCES NEW VHF MAGAZINE

**CQ VHF to Debut
on Newsstands Dec. 14**

(Hicksville, New York) -- CQ Communications, Inc., publishers of *CQ* magazine, will introduce a new magazine called *CQ VHF*. Publisher Richard Ross, K2MGA, announced today. Aimed at ham radio operators active on frequencies above 50 MHz, *CQ VHF* will be available by subscription and on newsstands as of mid-December, 1995. Richard Moseson, NW2L, will be the new publication's editor.

"Nearly one third of a millions hams in the USA have license privileges primarily permitting operation on frequencies above 50 MHz," said Ross, noting that "VHF licensees represent the overwhelming majority of growth in ham radio today." (The Technician Class amateur license, which does not require knowledge of Morse Code and is the preferred point

of entry to ham radio, grants operating privileges only on VHF frequencies.)

"While all of the current ham magazines provide some coverage to VHF, their prime focus remains the HF market," Ross continued. "*CQ VHF* will serve the specific needs and interests of hams whose operational and technical interests exist above 50 MHz."

According to Moseson, the new magazine will cover "the full spectrum of VHF and UHF ham radio, from FM repeaters to the high-tech frontiers of microwave and laser communications. There will be a mix of articles for the new ham as well as the more experienced operator."

Articles in *CQ VHF* will cover both operating and technical topics. Features slated for the premiere issue include two articles on repeater basics and a review of Radio Shack's HTX-212 2-meter mobile transceiver, as well as articles on "Passive Repeater Linking," "A Modular Approach to Building a VHF Weak-Signal Station" and an introduction to Sporadic-E propagation by 6-meter authority Ken Neubeck, WB2AMU. Other authors scheduled for the first issue include CQ veterans Lew

Continued on page 12

(still not entirely resolved) amount of the fee for an amateur vanity call sign.

- The general counsel and staff were instructed to prepare a petition for rule making to the FCC to strengthen the PRB-1 limited preemption of local and state regulation of amateur antenna installations, since the FCC has not formally acted on a memorandum on the subject filed by the general counsel in March 1994.

- The EC agreed that the League would participate in the FCC's pilot program to determine the feasibility of involving the private sector in resolving problems of interference to home electronic equipment (*The ARRL Letter*, August 15, 1995).

- International Affairs Vice President Larry Price, W4RA, just returned from the second 1995 meeting of the ITU Radiocommunication Advisory Group (RAG) in Geneva, said that an overriding theme of the meeting was the need for the ITU to cut its budget, particularly for meetings and publications. International Amateur Radio Union President Richard L. Baldwin, W1RU, will be the chief IARU delegate to the 1995 World Radiocommunication Conference, assisted by Wojciech Nietyksza, SP5FM, and part of the time by ARRL International Affairs Vice President Larry Price, W4RA.

- Price noted (at the meeting) that the US government continues to delay applying to participate in the CEPT (European) common amateur license arrangement, saying that such participation would greatly benefit US amateurs traveling in Europe and would reduce administrative burdens on the FCC.

- Vice Director Dennis Bodson, W4PWF, as chairman, submitted a report on recent meetings of amateurs interested in proposals to ease certain restrictions on the use of spread spectrum emissions in the Amateur Service. On motion of Mr. Kanode, the General Counsel was instructed to file with the FCC a petition, as previously authorized by the Board, to relax restrictions without lowering the frequency limit on spread spectrum emissions.

- Director Mendelsohn, as chairman, reported that the ad hoc committee created at the July 1995 meeting of the Board, to revise the fundamental documents of ARRL advisory committees, had met once by telephone conference and would do so again before an in-person meeting scheduled for December 2.

- President Rodney Stafford, KB6ZV, noted that some concern exists regarding the length of time it is taking for the DX Advisory Committee to explain its vote against the addition of Scarborough Reef to the DXCC List. The matter is now pending before the Membership Services Committee (MSC), which must review the differing positions of the DXAC and the ARRL Awards Committee, which has already reported to the MSC. After review, the MSC will recommend to the Board how the matter should be resolved.

- On motion of Mr. Harrison, the Executive Vice President was directed to execute a Memorandum of Understanding with Tucson Amateur Packet Radio Inc, to cosponsor the ARRL/TAPR Digital Communications Conference for three years, beginning in 1996.

- The EC reviewed a communication by a director of a division in which an election is under way, and determined that the content of the communication could not reasonably affect the outcome of the election, so it is permissible that it be distributed at League expense.

- The ARRL Letter, 10/2/95

Nice-to-Know Info

By D. R. "Kuby" Kubichek, N6JSX/9
1305A South 13th Street, Manitowoc, WI 54220

Antenna Wave Lengths 0.25 wave = 234/F(MHz)*12"

146 MHz.	223 MHz.	434 MHz.
1 wave = 76.93"	1 wave = 50.36"	1 wave = 25.88"
0.5 wv = 38.46"	0.5 wv = 25.18"	0.5 wv = 12.94"
0.25 wv = 19.23"	0.25 wv = 12.59"	0.25 wv = 6.47"
445 MHz.	902 MHz.	1250 MHz.
1 wave = 25.5"	1 wave = 12.45"	1 wave = 8.9"
0.5 wv = 12.6"	0.5 wv = 6.22"	0.5 wv = 4.49"
0.25 wv = 6.3"	0.25 wv = 3.11"	0.25 wv = 2.25"

50 ohm PI-Network Attenuator

-db	R1	R2	
1	5.6	910	ohms
2	12	430	
(1/2 power) 3	18	300	
(1/4 Power) 6	36	150	
10	68	100	
20	240	62	
30	820	51	
60	24K	51	

Resonant Frequency G000,M000,k000.000,m000,u000,n000,p

144-148 MHz.	430-440 MHz.	222-225 MHz.
1.0 nH @ 1.20 nfd	1.0 nH @ 133 pfd	0.1 uH @ 5 pfd
0.1 nH @ 12 nfd	10 nH @ 13 pfd	1.0 nH @ 514 pfd
0.1 uH @ 12 pfd		
900-930 MHz.	1230-1290 MHz.	
1.0 nH @ 30 pfd	1.0 nH @ 16 pfd	

dbi = db from an isotropic antenna (perfect antenna)
dbd = db from a dipole antenna

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PARTICIPATING CLUBS AND ORGANIZATIONS

Eau Claire Amateur Radio Club

Carl Searing, W9NW, Secretary

1129 McKinley Road • Eau Claire, WI 54703

MEETING MINUTES OCTOBER 10, 1995

The meeting was opened as usual by president Kevin Zehr, N9OHE, with about 35 members present. Secretary's and treasurer's reports were read and approved. Treasurer Sue Eide, KB9EUP, discussed the statistics of our recent hamfest. It was a success in all respects.

There being an extreme shortage of volunteers for club officer candidates for the coming year, the present officers were drafted by a unanimous vote to continue in their posts. All were willing to do so. Thus, for 1996, we will have President Kevin Zehr, N9OHE; Vice-President Bert Spangler, W9ZZI; Treasurer Sue Eide, KB9EUP; and Secretary Carl Searing, W9NW.

Kevin checked on the proposed new location for the 1996 hamfest, and found it still under construction, with no schedule or dates registered at the present time. He met with a representative of the new coun-

ty fairgrounds at the site. He will continue to work with the rep so that we may secure a date for next year.

A drawing was held for a ticket to the upcoming Hamfest Minnesota and Computer Expo; won by the lucky N9YJG.

It seems that the club will once again be involved in the *Mission Eau Claire* school system science project. We will teach a 12-week no-code Technician course to the fifth-graders involved, and once again voted to donate a sum of money to purchase study materials for the students. Details to be firmed up later.

Carol, N9TUA, suggested that the club purchase T-shirts for the club members working at the hamfest, but to be available to all. This is to be reviewed at our next meeting.

Lunch Committee for November: N9EQR, W9BAR.

Meeting adjourned at 2022 hours.

Respectfully submitted:
W9NW, Secretary

OFFICIAL PUBLICATION OF CENTRAL WISCONSIN RADIO AMATEURS, LTD.

At University of Wisconsin, Stevens Point

WATTS SNOO



WB9QFW 2-Meter Repeater 146.07.67 and Club Station

P. O. Box 923 • Plover, WI 54467

Meeting Minutes October 11, 1995

President Mary Eiden, KA9FAS, called the meeting to order at 7:33 p.m. The first activity of the evening was the showing of a short "home movie" taken at the CWRA Swapfest in 1979. This was followed by the secretary's report and the treasurer's report. Both reports were accepted by voice vote.

Joe Larson, N9JW, reported that only one person had signed up for this season's novice-tech class and that this individual later decided to drop out.

Mike Pagel, KA9LAQ, cited problems with the antenna as the likely cause of the intermittent performance of WB9QFW, the club's two-meter repeater. Volunteers have been identified for replacing the existing antenna, but scheduling conflicts have so far prevented this task from being carried out. Mike added that the controller, which is eight or nine years old, will have to be replaced, not repaired, when it wears out because the manufacturer has gone out of business.

Discussion ensued on the site for the club's next banquet. Several members who attended last year's banquet at Sentry World expressed satisfaction with the site and recommended that we have the next banquet there. Some objected that the cost had been too high last year and that a less expensive site should be chosen. A vote was taken. It was decided that the club will seek to have its next banquet at Sentry World.

It was agreed that our next Swapfest will take place on June 9, 1996, at the University Center at the University of Wisconsin - Stevens Point. Vice President John Kalina, KA9DJA, will coordinate the event. Mike Pagel, KA9LAQ, will assist. Scott Jasper, NE9U, will be in charge of the raffle for the Swapfest.

Concern was voiced about the effects of federal budget cuts on the weather warning system for Portage County.

Frank Guth, W9BCC, will coordinate Amateur Radio communications for the Frostbite Road Race and Winter Walk on December 2, 1995. Frank needs a half dozen volunteers from the club to help out. The volunteers need to be at the site by 11:30 a. m. on the day of the race. The event lasts about two hours.

Joe Larson, N9JW, announced that Amateur Radio examinations will be given at 9:00 a.m. on December 2, 1995, in room A-107 of the Science Building at the University of Wisconsin - Stevens Point.

The club extends a warm welcome to its newest members: Corey DeMarco, KB9LLA, and John Mielke, N9ROZ.

Respectfully submitted:
David Tamres, KB9IIF
CWRA Secretary

ATTENDANCE

Bob Baird	W9NN
Corey DeMarco	KB9LLA
Ray Dix	KF9BG
Mary Eiden	KA9FAS
Mike Eiden	WD9JID
Frank Guth	W9BCC
John Kalina	KA9DJA
Steve Kochanowski	KB9IIE
Deb Kroll	N9EIL
Gene Kroll	KE9MA
Joe Larson	N9JW
Leo Liebl	W9NYS
Al Mallek	N9WBS
Jeremiah Maller	N9WBU
John Mielke	N9ROZ
Gordon Miller	KE9IA
Joe Omernik	N9CGV
Mike Pagel	KA9LAQ
Mike Peters	W9GHY
David Tamres	KB9IIF



SHEBOYGAN County Amateur Radio Club

Mike Musiel, KF9SJ, Secretary
N9001 Dairyland Rd., Cleveland, WI 53015

The August meeting of the Sheboygan County Amateur Radio Club was called to order by Chris, N9VKC. The SCARC meets at the Red Cross Building, 2032 Erie Ave., Sheboygan WI at 7 p.m. on the second and fourth Tuesday of the month. There is usually no general membership meeting in February, because of the Banquet, and July, because of Field Day.

OOPS....

No, there was not a section missing from your BSSS in September. Due to some unforeseen circumstances, I was not able to attend meetings, nor send in a report in the month of September. I apologize for this, and will turn over the duties of secretary if this situation continues.

CLUB MEETING SUMMARY

There is no new news on the repeater situation. This has been a busy couple of months for members of the technical committee. Please continue to bear with us.

Penny, N9TCF, was given the Flat Tube Award for forgetting to bring it to the meeting. Penny also gave us a summary of the arriving contest season.

The program was given by various members of the club who brought their Fox Hunt Antennas. The construction and use of each item was discussed, and questions were fielded from the club membership. Demonstrated equipment ranged from a simple Quad, to a Doppler System. Thanks to Joe, N9REH, Lyle, WE9R, and Penny, N9TCF, for taking the time to haul their stuff into the club and give away some of their secrets!

FOX HUNTS!

There is no set schedule, but a club fox hunt is normally held the second Saturday of the month. Tune into the Monday Night Fun Net for info on the next hunt.

LOCAL PACKET

Stations connecting on the Sheboygan LAN frequency 144.99 can reach MTWBBS by following the instructions on the BBS welcome message at KF9SJ-3. Stations on the Manitowoc Node can connect to the Sheboygan LAN by also connecting to KF9SJ-3 or #SPOCK via N9GHE-8. This is a temporary setup. Stay tuned for the return of Al!

NETS

NOTICE! The Sunday night packet net will be moving. Stay tuned for the new day and time when WISHE returns.

Monday Night Fun Net. Meets at 7 p.m. local time on 147.06 MHz (+107.2PL). All with an Amateur Radio license of Technician class or higher are welcome to check in to this informal get together.

Monday Night 10 Meter Fun Net. Meets around 7:30 p.m., generally following the 2 meter net. The net meets on 28.350 MHz (USB), and all code class Amateur Radio operators are welcome to check in.

Sunday Morning Coffee Clutch and G5RV Net. The net meets at 9 a.m. local time on 3.860 MHz (LSB). All radio amateurs of General Class or higher are welcome to attend.

Submitted by Michael J. Musiel, KF9SJ

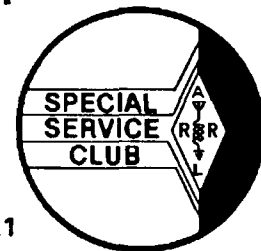
ATTENTION ADVERTISERS: Renewal reminders for ads expiring with the next (December) issue were mailed in early September. A number of advertisers have failed to respond. If you do not intend to renew, please tell us so we may fill your ad's space as soon as we can. Self-addressed, stamped envelopes were sent with the reminders. One additional mailed reminder may be sent. Let us hear from you!

Riverland Amateur Radio Club



Tom O'Brien, WB9BJQ
Secretary

Club mail address: P.O. Box 621
Onalaska, WI 54650



Meeting Minutes October 3, 1995

Meeting was called to order by President Feroz, WU9N, at 7:00 p.m. Secretary's report was approved as read.

Treasurer's Report: Savings account and checking account totals were reported and approved. Marc, N9UNW, indicated that the club received a complimentary ticket to the Minnesota Hamfest. It was decided to auction it off. Ninety members are currently paid.

Repeater: Duane reported that he was pursuing all things mentioned at the last meeting.

440 Repeater: There was a discussion of funding the remaining portion of the repeater. Most of the funding was accomplished independently without club support. Tom, WB9BJQ, motioned and Frank, KB9LAB, seconded a motion to fund the remaining portion of the cost. Motion carried.

Net Manager: No Report.

SKYWARN: It was announced that a meeting of SKYWARN coordinators would be taking place at the NWS in LaCrosse on October 14, 1995 at 10:00 a.m.

Amateur Radio Weekend/Trailer: Bob, N9LZK, reported that the event was not a great success in spite of a good location. He also reported that the club's Kenwood 2 meter transceiver is missing. It was last seen on Field Day. Trailer still needs work, according to Dan, N9PZC. Bob, N9LZK, noted that the trailer's location had been changed to provide easier access in the event of an emergency. Bob, N9LZK, suggested appointing a club trustee to care for the club's equipment. Equipment would then not be kept in the trailer. Feroz, WU9N, tabled discussion until the next meeting.

Feroz, WU9N, offered the formal

Please turn to page 12

Racine Megacycle Club

Alex Voss, N9RGX, Secretary

3333 Standish Lane • Racine, WI 53405

Meeting Minutes Monday, October 9, 1995

The meeting was called to order by president Paul Smedegaard, N9RGW at 7:31 p.m. Each person present was asked to introduce themselves with name and call. Those present were:

Paul, N9RGW, President
Bridget, N9XGX, Vice-President
Dave, AA9HL, Treasurer
Alex, N9RGX, Secretary
Bruce, K9RRS, Activities Director
Dan, KA9OIL, Trustee
Fern, W9LCJ
Bill, NW9P
Don, KB9HAM
Bob, W0WLN
Spence, W9LDH
Bob, N9ZLD
Ken, N9NBC
Bill, AF9V
Jim, N9ZWF
Bill, W9ERG
Jean, W9ERG-XYL
Dennis, KG9DO
Larry, WA9JMO
Pete, WA9KFL
Leah, KB9KUA
Dennis, WB9SVM
Rob, KF9ZT
Jim, N9SEM
Cheryl, WS9P
Gene, WB9ZKY
Dave, WB9USI
Tony, N9ZWM

The secretary's report was accepted as printed in the Badger State Smoke Signals. The treasurer's report was accepted as read.

OLD BUSINESS

Bill, W9OVZ, had a few comments to make on his program last week "WHY QRP?" The world's record on 40 meters QRP was 221 microwatts over a distance of 424 miles, which is equivalent to 1,900,000 miles per watt. Bill stated that if you go down to microwatting that you should schedule your contacts. He also mentioned that you could buy PC boards at hamfests to practice soldering without removing the copper traces. If you have any questions on operating QRP, contact Bill Komistra, W9OVZ.

Bob, W0WLN, mentioned that according to the amendments made to the constitution that annual dues will be fixed at the November meeting.

NEW BUSINESS

Dave, WB9USI, said that the mayor of Racine has declared October 28th as "Let's Make a Difference Day" as a partnership with Points of Light as a volunteer day in the city of Racine and passed out a flyer. He then asked if anyone was interested to contact him.

Dan, KA9OIL, mentioned that Friday the 13th is the Fox Hunt this month and the startpoint is at Regency Mall.

Larry, WA9JMO, said that the Megacycle Club should be the stabilizing force behind all the local ham organization, and that we should make more of an effort to set an agenda for the 1996 year and beyond. Currently, the only set events are Field day, the Racine Hamfest, and the Annual Ham Banquet. Larry also mentioned that the head of the banquet committee had to resign and we needed to fill the vacancy.

Rob, KF9ZT, made a motion that we appoint Larry to be the head of the Ham Banquet 1996, and allow him to select volunteers to help. There was some debate as to whether or not there need be a motion for such appointment. The motion carried.

Bruce, K9RRS, mentioned that he has an updated callbook on his PBBS. He also is trying to get a hold of the video series of the Kamtronics seminar at AES and would like to get packeteers together to view them.

Dave, AA9HL, said WE STILL

You are Invited to Attend Racine and Kenosha Ham Radio Meetings!

Racine Megacycle Club/W9UDU
Second Monday of each month at
7:30 p.m. at American Red Cross
Building, 4521 Taylor Avenue,
Racine, Wisconsin
For More Information, send an SASE
to: RMC, P.O. Box 3, Racine, WI
53401-0003
or contact Alex, N9RGX @ K9RRS
#EN62GK.WI.USA.NOAM
Talk-in 147.270 +

Lakeshore Repeater Association
W9UDU/R 147.270 +
Quarterly Meetings on Tuesdays at
7:30 p.m. at American Red Cross
Bldg., 4521 Taylor Avenue, Racine,
Wisconsin
Contact Dan, KA9OIL @ K9RRS
#EN62GK.WI.USA.NOAM
Talk-in 147.270 +

Kenosha Ham Breakfast
First Sunday of each month at 7:30
a.m. at Southport Restaurant, 4600
75th Street, Kenosha, Wisconsin
Contact Ray, WB9LST @ K9RRS
#EN62GK.WI.USA.NOAM
Talk-in 147.270 +

Kenosha Explorer Scout Post 424
KB9KUT
Southport Amateur Radio Klub
(SPARK) KB9KUU
Mondays at 7:00 p.m. at Local 72
U.A.W. (in back bldg.), 3615
Washington Road, Kenosha,
Wisconsin
Contact Mike, N9XSG @ K9RRS
#EN62GK.WI.USA.NOAM
Talk-in 147.270 +

Packet User's Group
Contact Bruce K9RRS @ K9RRS
#EN62GK.WI.USA.NOAM

RMC Sponsored
Hidden Transmitter Hunts
Every 4th Friday at 7:00 p.m.
Location varies anywhere in Racine or
Kenosha Counties east of Hwy. 45.
Frequency will be given at the start
point.
Send an SASE to: Racine Ham Radio
Activities, Fox Hunt Info, C/O RMC,
P.O. Box 3, Racine, WI 53401-0003
or contact Dan, KA9OIL @ K9RRS
#EN62GK.WI.USA.NOAM
Talk-in 147.270 +

HAVE TROLLEY TICKETS LEFT! After tonight (10/9/95), they will be open to non-club members. He also mentioned that the ham classes are going well.

Dave made a motion that in addition to the secretary's report and the treasurer's report that the custodian of the ham class funds give a report. The motion passed with little discussion. The custodian of the ham class funds now is Larry, WA9JMO.

Alex, N9RGX passed out a sheet of all the local ham happenings to newer and less active hams. Anyone wishing a copy may find it on packet, or send an SASE to Ham Event, c/o RMC P.O. Box 3, Racine, WI 53401-0003.

Alex also mentioned that in the South-East Wisconsin area there are between 500-600 Licensed Amateur Radio operators. The Megacycle Club Represents 1/20th to 1/10th the ham population, most of which are inactive members. Dave, WB9USI, made a motion that after the November meeting we send out a membership application to each and every one of them. It was brought up that there are 500 to 600 of them and it could be quite expensive to mail 600 letters. Paul, N9RGW, mentioned that an amendment to the motion to allow for an appropriate distribution. Many suggestions were given as to an appropriate means of distribution, such as the Penny Saver. The motion was rescinded.

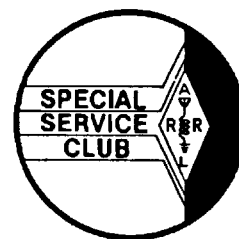
A motion was made and passed to adjourn.

Respectfully Submitted by
Alex Voss
Secretary RMC

Mancorad Radio Club

Eric Rugowski, WD9IAB, Secretary

P.O. Box 204 • Manitowoc, WI
54221-0204



2-Meter Repeater: 146.01 Input/146.61 Output

Meeting Minutes October 11, 1995

Club President Barney, N9XER, called the meeting to order at 7:30 p.m. Chuck, W9BZU, opened the meeting by showing an ARRL flag to the meeting attendees. As Chuck pointed out, not only does the flag have the ARRL logo on it, it also has QST (which actually means "CQ ARRL") written in code on it.

The minutes for the September meeting were approved by the meeting attendees as printed in "Smoke Signals." Treasurer Glen, AA9MT, then read the treasurer's report. Included in the report: costs for insurance (of club radio gear); costs for hamfest flyers; and costs for food (for after club meetings). This was also approved by the meeting attendees.

Glen also informed the club that new hamfest flyers would have to be printed if the club decided to raise hamfest ticket prices. After much discussion by the meeting attendees, it was decided (by a vote) to raise hamfest ticket prices (\$3 in advance; \$4 at the door; \$6 for 8 feet of table; and \$5 for electricity). Therefore, Glen was given the okay to get new hamfest flyers printed up, reflecting the price change.

Spec sheets for Glen's new TennaDyne HF log periodic antenna were made available to meeting attendees. According to Glen, this antenna was well worth the money.

The October meeting is when the club takes the time, to hold elections for club offices. This year's election winners were: Red, N9GHE - President; Dick, N9QFY - Vice President, John, NZ9Z - Secretary (TNX John); and Glen, AA9MT - Treasurer. Club members elected to the board of directors were: Ron, WS9X; Barney, N9XER; and Eric, WD9IAB. Thanks guys, for offering your services. Also, thanks to all of the candidates who ran for office, and to this past years club officers for their service.

Before the meeting came to a close, several additional things were mentioned.

First, Janice, N9IQZ, informed everyone at the meeting, that the T-hunt held on Sunday, October 8, was enjoyed by all of the participants. Several hams from Sheboygan county participated in it. The winner was Ron, WS9X, who was the first

one to find the hidden transmitter, in a tree at Two Creeks Park. The Sheboygan hams have invited Mancorad to Participate in the next T-hunt that is held in Sheboygan County.

John, NZ9Z, informed the club that the Simulated Emergency Test that was held for the Kewaunee Nuclear Power Plant on October 10, during the day, was very successful; there were 17 check-ins. John also mentioned, that the club should start to plan for its annual Christmas party, and maybe plan to do some thing in 1996 to celebrate the club's 50th anniversary (such as have a special event station).

The meeting was adjourned at 8:25 p.m., and refreshments were served.

Eric Rugowski

Eric Rugowski, WD9IAB
MANCORAD Secretary 1993-1995

MEETING ATTENDEES

Eric	WD9IAB
Barney	N9XER
Glen	AA9MT
Ron	ws9x
Janice	N9IQZ
Clancy	KB9ECW
Bill	WD9ERN
Ken	WB9OBX
Les	WB9MNQ
Chuck	W9BZU
Charlie	W9GXD
Dick	N9QFY
Red	N9GHE
Sharline	
Terry	N9PZT
Mary	KB9GOY
Theresa	KB9KXE
Gene	KB9KXF
Ken	K9HAG
Bill	N9XEZ
Gene	N9UGA
Bill	K9DUX
Paul	N9QFX
Lyle	WB9VTM
Vic	WB9VYO
Len	N9QFO
Jim	N9KGK
Bob	KB9INK
John	NZ9Z
Conrad	WD9ERM

FCC Call Sign Update

The following is a list of the FCC's most recently issued call signs as of October 1.

District	Group A Extra	Group B Advanced	Group C Tech/Gen	Group D Novice
0	AA0ZE	KG0ZH	++	KB0UCL
1	AA1OL	KE1DB	N1VWW	KB1BUE
2	AA2YO	KG2EH	++	KB2VXS
3	AA3MR	KE3UZ	N3WEK	KB3BLI
4	AE4MU	KT4EJ	++	KF4DSB
5	AC5EY	KK5TJ	++	KC5RCS
6	AC6PS	KQ6AG	++	KE6YTK
7	AB7MR	KJ7RQ	++	KC7NFW
8	AA8UR	KG8TT	++	KC8BEQ
9	AA9QD	KG9EF	++	KB9LRN
N. Mariana	KH0S	AH0AW	KH0ED	WH0ABD
Guam	WH2Q	AH2DA	KH2OU	WH2ANN
Hawaii	++	AH6QG	++	WH6CYM
Amer. Samoa	AH8O	AH8AH	KH8CK	WH8ABE
Alaska	++	AL7QF	++	WL7CPB
Virgin Is.	WP2U	KP2CH	NP2IK	WP2AIA
Puerto Rico	++	KP4ZZ	++	WP4NCB

++ Either all call signs in this group have been used or no new call signs have been recently issued in this district.

- ARRL Bulletin ARLB095, 10/16/95

Taylor County Area Amateur Radio Club

Mike Schoenfuss, N9GHZ, Secretary

P. O. Box 401 • Abbotsford, WI 54405-0401

There was no submission from the Taylor County Area Amateur Radio Club this month, as the club secretary was unable to attend the October meeting, and no one forwarded the meeting minutes to him. □



Washington County Amateur Radio Club

Tom Waldschmidt, N9LZW,
Secretary
465 Elder Lane
Allenton, WI 53002-9799



Club Repeater: 146.73 MHz

Membership Meeting Minutes October 12, 1995

The October 12, 1995 membership meeting of the Washington County Amateur Radio Club was called to order at 7:30 p.m. by President Walt Gossfeld with 12 members and 2 guests present.

The minutes of the September meeting were read by Secretary Tom, N9LZW. There was a motion by Marty, WD9BCV, seconded by Larry, WB9BVB, to approve the minutes as read. Motion carried.

The treasurer's report was read by Dave, KA9RNU. There was a motion by Paul, N9KIK, seconded by Bob, KG9CW, to accept the treasurer's report. Motion carried.

Dave announced that in November he will need a list of those who will be taking the Badger State Smoke Signals with their membership.

REPEATER COMMITTEE

The Repeater Committee report was given by Don, K9GR. Don reported that the club's repeater is now operational although some work remains to be done. The transmit crystal and channel element had been sent to Marden Electronics who put it on frequency. The hum previously observed in the power supply is not a problem while the station is operating as a repeater. A problem with de-sensing needs to be corrected and an FET in the pre-amp needs to be replaced. Gary, W9XT, is working on the pre-amp.

ARES REPORT

An ARES report was given by Tom, N9LZW. Tom reported that this year's SET would focus on members gaining experience with the Emergency Govern-

ment station. Interested members may report to the Emergency Government office in the Sheriff's Dept on Sunday October 22, 1995 between the hours of 3 p.m. and 6 p.m. at their own convenience.

At 6 p.m. the packet station will be left on the ARES LAN frequency of 145.61 so those with packet stations can practice connects and leave a message on the EG station. The packet mailbox call is N9LZW-2.

OLD BUSINESS

CHRISTMAS PARTY: There was a discussion on this year's Christmas party. The following locations were suggested: Timmers on Big Cedar Lake, Heidel's, Country Retreat, Walden's, and Linden Inn. You can cast your ballot for one of these locations by sending a packet message to WB9BVB-1 on either 145.03 (via WISLG) or on 145.57. If you don't have packet contact Larry, WB9BVB, directly or through someone with packet capability.

NEWSLETTER

Don, K9GR, moved that the club spend approximately \$60.00 for a mailing to all Washington County Amateur Radio operators. Gary, W9XT, seconded the motion. Motion carried. This mailing would announce that the club operated repeater is now operational, inform them about the Christmas party, and provide them with other information about the club.

HELP WANTED: PROGRAM CHAIRMAN

Paul, N9KIK, announced that after 3

Continued on page 13

publish Joe Lynch's "VHF+" column, to sponsor the CQ World Wide VHF Contest and to present VHF-related features and advertisements in the context of its broad overall coverage of Amateur Radio."

The first issue of *CQ VHF* will be dated January/February, 1996, but the magazine will be published monthly beginning with the March, 1996, issue. Subscriptions will be \$21.95 for 12 issues, with an introductory rate for charter subscribers of \$19.95. Single issues will be priced at \$2.95. *CQ VHF* is published by CQ Communications, Inc., of Hicksville, NY, which also publishes *CQ* magazine, *Popular Communications*, *Communications Quarterly*, *MicroComputer Journal* and *Electronic Servicing and Technology*, as well as a variety of *CQ* and *Popular Communications Guides*, plus a complete line of ham radio books, videos and related specialty products.

Prospective advertisers may contact Advertising Manager Arnie Sposato, N2-IQO, at 516-681-2922. The editors of the new magazine may be reached via e-mail to CQVHF@aol.com or by mail to *CQ VHF* magazine, 76 N. Broadway, Hicksville, NY 11801.

- CQ news release

Quarter Century Wireless Association Southeastern Wisconsin Chapter 162

Larry McCalvy, WA9JMO
5400 Six Mile Road
Radne, WI 53402



Congratulations to our newly elected officers President, Ken Knoff, N9NBC; Vice-President, Bill Hawes, W9ERG; and Secretary/Treasurer, Bob Jensen, W0WLN. After our annual election of Directors (three elected in odd and four elected in even years), the six Directors in attendance met and unanimously chose our new leadership.

Sixteen members and 11 spouses/guests met, broke bread, and enjoyed one another's company doing what Hams do best - TALK, at the YWCA in Racine during our annual meeting on Sunday afternoon the 15th of October. Spence Clope, W9LDH, looking forward to the chicken dinner served, burned up the packet airwaves several weeks prior to this auspicious occasion, discussing the ramification of the exact types of baked chicken we would be ravenously devouring at the Annual Meeting.

Meeting highlights witnessed Art Vahovius receiving QCWA's 60-year Amateur Radio License Award and the introduction of our newest member, Rev. Jim McChesney, WA0PFV. Rev. Jim and Jim Taylor, K9JT, were presented with QCWA Chapter 162 name and call identification badges. Chapter name and call badges are given to members after attending one meeting. Up to now, Jim (K9JT) and Joan's schedule were at odds with the Chapter's. I was very pleased that you both could join us and allow me and our other attendees the pleasure of meeting Joan in person. Please come join us as often as you can. Rev. Jim's very busy schedule may very well be the reason that prevented his joining the Chapter sooner. His recent retirement from an active church ministry may have played a part in freeing up some time for our group. Whatever the reason, we were very pleased to have you join us and are looking forward to you and Meg joining the group in their future endeavors.

Sidebar for John Urban, KE9HX: The "GANG" is waiting anxiously for your and Janet's arrival at one of our very near future functions. We are a fun group.

Bill Komistra, W9OVZ, our current past president was thanked for his past year of guidance with a warm round of applause. Thanks, Bill.

The next social bash is our Christmas party scheduled for Sunday, the 10th of December 1995, beginning about 1 p.m. Its location still is to be determined. Details should be worked out during our Thursday 9 p.m. net on 147.27 MHz.

Our club call sign has been requested from the FCC, and will hopefully be here for our next general business meeting, which will be held at the Wustum Museum of Fine Arts, 2519 Northwestern Avenue in Racine beginning at 7:30 p.m. on Monday, 20 November 1995. I believe the Chapter will serve coffee, soft drinks and Racine Kringle to all attendees. Travel instructions are as follows: I-94 to Hwy. "K" in Racine County, head east through "Franksville" until the stop sign, about five miles. Turn right, joining Hwy "38", continue on, you will join Northwestern Avenue, past several lights, and crossing Hwy. "31" there will be a Holiday Inn on your left as you pass over the Root River. Keep to the right lane; you will pass the Racine Country Club on your right and the Racine Theatre Guild is next door to it. Turn in the Theatre Guild's parking lot. The museum will be on your left side as you enter the parking area.

Attendees at last August's social gathering of Wisconsin's three QCWA Chapters from our Chapter so enjoyed the event that they have offered to host a similar event next year. I have been appointed a delegation of one to contact the officers and members of Chapters "55" and "174" to see if they would also wish to partake in another gathering. If the answer is in the affirmative, I will be the chair and point of contact. For planning purposes, we have looking at the last Saturday in August 1996, the 31st, for a date and returning to the same restaurant, Robins in Oshkosh. Details, one way or the other, will follow in future articles.

73, Larry McCalvy, WA9JMO

Riverland Amateur Radio Club

Continued from page 12

thanks of the club for his leadership in organizing the Amateur Radio Weekend.

Nominations: Kent is accepting nominations for all officers for next year.

Constitution Committee: Walt, AA9-

AW, handed out final proposal of re-worked constitution. The Club will vote on acceptance the next two meetings.

Annual Dinner: Discussion took place concerning location and date. Several suggestions were made but nothing was finalized.

Bob, N9LZK, made motion to extend meeting. Seconded by Judy, N9LGV.

Awards Committee: Committee will be made up of last year's recipients.

Motion to adjourn at 8:00 p.m. □

NEW PRODUCTS

Continued from page 9

McCoy, WIICP, and Dave Ingram, K4-TWJ, along with Barry Baines, WD4-ASW, writing about satellites, and *Communications Quarterly* Senior Technical Editor Peter Bertini, K1ZJH.

Moseson, a ham radio operator since 1970 who is primarily active on VHF, brings a wealth of journalistic experience to the editor's desk. He has been with CQ Communications since 1992, as Executive Producer of the CQ Video Library and as 50th Anniversary Coordinator for *CQ* magazine. Before joining the CQ staff, Moseson was an award-winning writer and producer for CBS News. Previously, he was a writer for the Associated Press and a radio news reporter/anchor.

The new magazine will not lead to a reduction in VHF-related content in its parent magazine, *CQ*. According to Ross, "This specialty magazine reflects our commitment to greater coverage of VHF activities than we can provide in a general-interest magazine such as *CQ*. However, *CQ* itself will continue to

Closing Plan OK'd By FCC

Continued from front page

of 5 to 7 million dollars in equipment and personnel in fiscal years 1996 and 1997 and the Commission estimates it would save more than 8 million (in current dollars) annually thereafter.

Hundt said, "The CIB restructuring plan will enable us to enforce the rules that govern the nation's airwaves better and cheaper. We will also be able to provide information services to the public better and cheaper."

As is required for all major FCC reorganizations, the CIB restructuring plan must be reviewed by the House and Senate Appropriations Committees. At the same time, the FCC will begin required negotiations with the union that represents FCC employees.

More information is in November 1995 *QST*, page 92.

- ARRL Bulletin ARLB096, 10/17/95

For Christmas....

Give a gift subscription to
Badger State Smoke Signals!

Washington County Amateur Radio Club

Continued from page 12

and 1/2 years of being Program Chairman he would like to retire from this position. Don, K9GR, said "he's done such a wonderful job." Sherm, W9NGT, said "it will be a tough act to follow." Any volunteers should contact President Walt, N9LLS.

HARTFORD CHRISTMAS PARADE

Walt, N9LLS, announced that the Hartford Christmas Parade will be held on Sunday, November 12, starting at 1:00 p.m. Volunteers will meet at the Lincoln School at 12:30 for assignments. Any volunteers may contact President Walt, N9LLS.

Walt also brought along 2 letters of appreciation he received from the Hartford Area Chamber of Commerce commending us on the fine job during the 1994 Christmas Parade. The letters were read by Tom, N9LZW. Ione Sarafiny wrote, "... The true success of the operation is with the HAM operators and the wonderful communication that you provide. We are very thankful for your cooperation and participation in the annual Christmas Parade. Your organization is truly an asset. We hope that we can count on you in 1995."

Tom, N9LZW, mentioned that Maury, W9MQD, provided the club with 20 feet of RG-8 coax which needs to be replaced. Don, K9GR, will take care of this.

ANNOUNCEMENTS

Dave, KA9RNU, announced that the Boy Scouts will be having their annual Jamboree On The Air (JOTA) the weekend of October 21 and 22. Any volunteer radio operators would be appreciated.

Marty, WD9BCV, announced that he and KA9WRL will be working with the scouts at two parks in Dodge County and both could use some extra help.

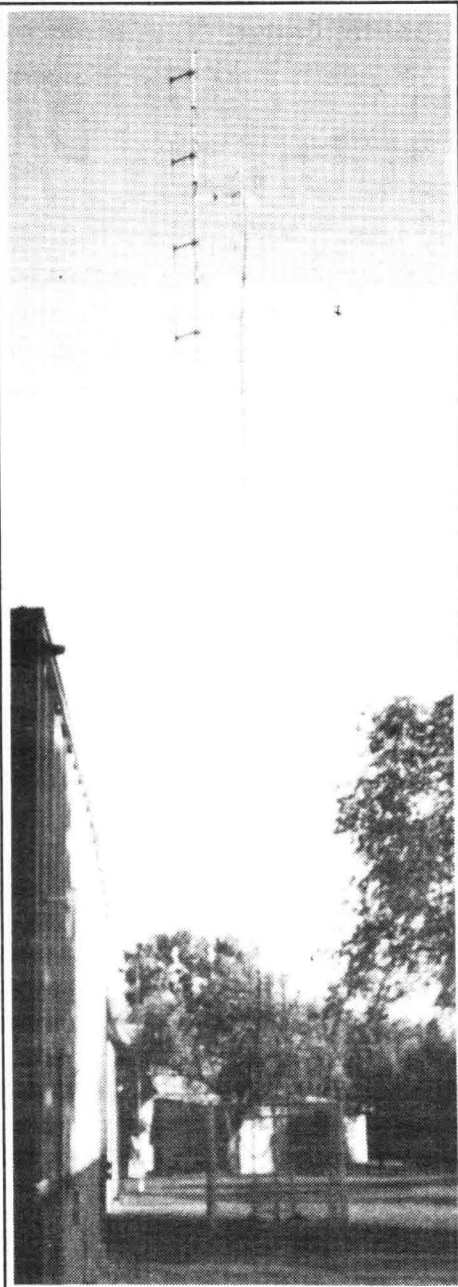
Gary, W9XT, announced the Kettle Moraine Radio Amateur Club's 1995 Computer Fair and Hamfest will be held this weekend at the Waukesha Expo Center.

There was a motion by Marty, WD9BCV, seconded by Bob, KG9CW, to adjourn the meeting. Motion carried. Meeting adjourned at 8:10 p.m.

Respectfully submitted:

Tom Waldschmidt, N9LZW, Secretary

Following the meeting, Washington County ARC members enjoyed a presentation by Larry McCauly, WA9JMO. During each of the last 4 years Larry has spent 2 weeks touring the Soviet Union.



The Washington County Amateur Radio Club's repeater tower and antenna are at the St. Lawrence Fire Department. The top of the antenna array is 70 feet above ground. Ground elevation is 1110 feet ASL (above sea level).

Larry brought along many mementos and scrapbooks to supplement his slide presentation. Larry provided everyone with a better appreciation of the Soviet Union and sparked more interest in many of those who attended. We congratulate Larry, WA9JMO, for his enhancement of international goodwill through his trips and interaction with Soviet hams.

November Breakfast Locations

Nov 04, 1995: 9:00 a.m. Parkside Cafe, Jackson
Nov 11, 1995: 9:00 a.m. Slinger Inn, Slinger
Nov 18, 1995: 9:00 a.m. Fay's Restaurant, West Bend
Nov 25, 1995 9:00 a.m. Corfu Restaurant, Richfield

Morse Speed Change Denied

The FCC has denied three requests to lower the Morse code requirement for the General Class Amateur Radio operator license.

The requests, in the form of letters, came from three Technician-Plus class licensees. All three asked that the 13 wpm Morse code requirement for the General Class license be lowered to 5 wpm. Two of them also asked that the Technician-Plus operator license class be eliminated and that holders of Technician-Plus licenses be granted General Class operator privileges.

In an Order released October 19, 1995, the FCC said "The current amateur service license structure and examination

requirements were developed in accordance with the expressed desires of the amateur service community through numerous rule making proceedings that generated many thousands of comments.

"The amateur service community indicated on each occasion that it strongly desires to preserve communications by telegraphy. After considering the views expressed in those proceedings, the Commission adopted the rules that are codified in Part 97" (of the FCC Rules).

"The requesters have not presented sufficient evidence to justify revisiting these matters at this time," the FCC said.

- ARRL Bulletin ARLB097, 10/20/95

DARA Scholarships Open

The Dayton Amateur Radio Association is now accepting applications for its 1996 college scholarships. Amateur Radio licensees graduating high school in 1996 are eligible for 2000 dollar scholarships.

Each year the DARA offers eight such scholarships. No specific field of college study is required. Winners will be announced around June 1, 1996.

Interested students should send a self-addressed, stamped envelope for an application to DARA Scholarships, 45 Cinnamon Court, Springboro, Ohio 45066.

- ARRL Bulletin ARLX062, 10/16/95

Red Cedar Repeater Association, Inc.



Steve Hart, KA9OMC, Secretary



E616 810th Avenue

Knapp, WI 54749

2-Meter Repeater: 146.01 Input/146.61 Output

Greetings, RCRA sponsors and guests.

The last social hour was held at the Cornucopia Restaurant in the T-Bird Mall Menomonie on September 26th. The following were in attendance:

N9PPE, Jeff Cole
N9LIJ, Jim Fitzl
N9TTV, Glenn Thompson
K9IAG, Ken Drake
KC4VXO, Gene Peterson
KF9CU, Arlene, and OM Dave Kraft
KE6PZC, Scott Kilde
KA9OMC, Steve Hart

K9IAG, Ken, gave the group a progress report on K0DL, Don Lund. Glad to hear Don is able to move about.

KE6PZC, Scott, introduced himself as having moved into the Cedar Falls area, and will be working in electronics with N9PPE, Jeff, at Hallie. Welcome, Scott.

N9LIJ, Jim, reported that he is considering getting out the camera for some picture taking fun.

N9TTV, Glenn, talked about his trips this summer, and is busy back at the Eau Claire campus.

KC4VXO, Gene, said that he would be touring the facilities where the new amateur satellite is being assembled and would

give us a report in the spring.

Dave Kraft informed us that we have been invited to see a demo of the E911 system at the Dunn County Sheriff's office, and this would be our Oct. 24th social hour.

KA9PVY, Ken Reetz, who usually attends the activities was absent, but we received a call from Ken informing us that he is back at home recovering from planned hip surgery. Ken expects to get around to functions soon.

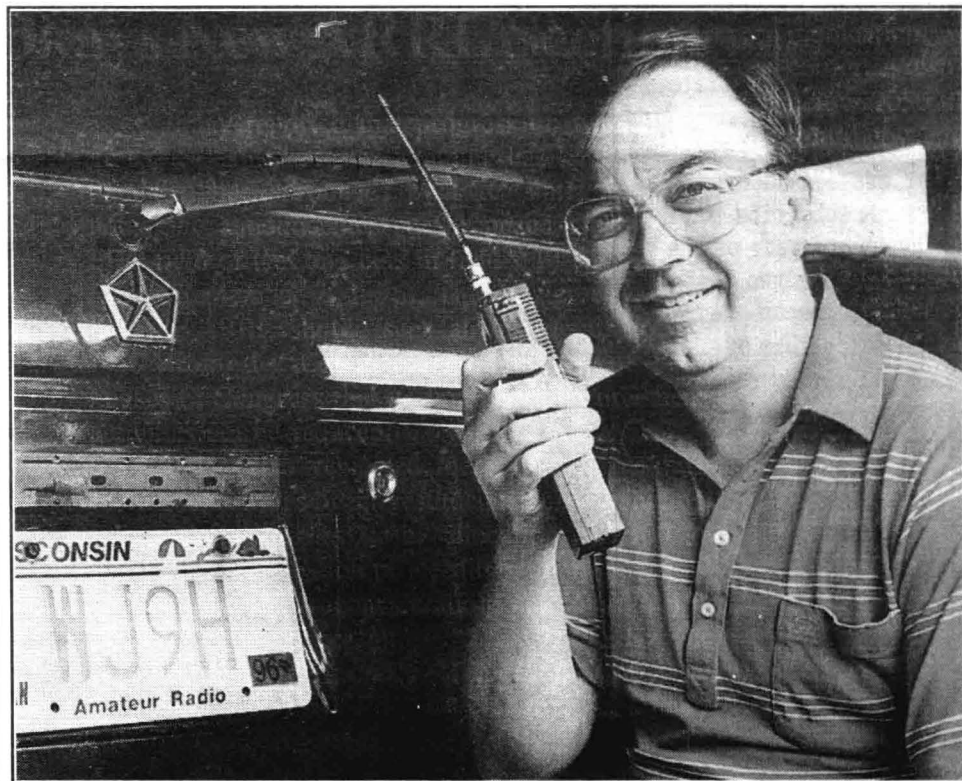
Pledges for the upcoming year have started to arrive. Thanks to N9NPE, Steve Young, KC4VXO, Gene Peterson, K9IAG, Ken Drake, WA9CCB, Louis Forster, N9XAS, Bob Hulverson, just to mention a few.

Please remember that the repeater is no place to solve the world's social ills. Alternative topics include QSOs you are having, trips you are taking, demonstrating your shack to a prospective amateur. Before starting your QSO, ask yourself if what you have to say will help or hinder the operation of the repeater.

Plans are to meet at the cafe in the mall for the Nov. 28th social hour. Meeting time is 7:30 p.m. See you there.

73, RCRA Sec/Treasurer
KA9OMC, Steve Hart

Meet Your South-Central Wisconsin SkyWarn Coordinator



When it's "Boots and Saddles" time for South-Central Wisconsin SkyWarn, Tom Weeden, WJ9H, Madison is the coordinator who makes it all fall into place with advance coordination and planning. The net operates on the Central Wisconsin Repeater Association's 146.88 repeater near Baraboo. The repeater is on WOLX's (94.9 FM) tower, and it is through their providing tower space for the antenna and a spot for the big repeater that hams are able to provide this valuable public service. Tom is a television engineer for WMTV, Channel 15, Madison.

BSSS Club Subscription Plans and Rates

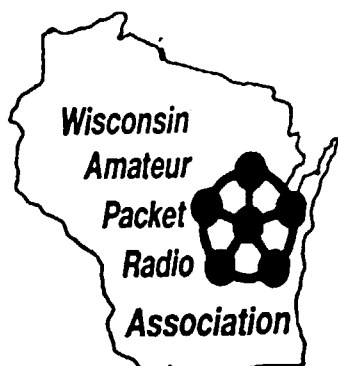
SUBSCRIBING MEMBERS OF CLUB ONLY

10 or more subscriptions, per year: \$9.00
50 or more subscriptions, per year: \$8.40

ALL MEMBERS OF CLUB (BILLED QUARTERLY)

Less than 50 members, per year: \$8.40
50 or more members, per year: \$7.80

Must include all members of club to qualify for rate. Up to 15% additional complimentary mailings can be included at no added cost. These are useful for sending BSSS to political or community leaders and/or prospective members. And, your club's minutes are published in BSSS as a service to your club. Contact Badger State Smoke Signals, Kenneth A. Ebner, K9EN, 822 Wauona Trail, Portage, WI 53901, (608) 742-3560.



THE WISCONSIN PACKETEER

Wisconsin Amateur Packet Radio Association (WAPR)

Bob Gedemer, KA9JAC

609 Wilson Street, Neenah, WI 54956

Andy Nemec, KB9ALN, Editor, 1250 Main Street, Green Bay, WI 54302

WAPR News and Notes - November

Hello and Welcome to another edition of "The Wisconsin Packeteer". By this writing, WAPR will have had it's Quarterly meeting and will have discussed some of the more recent network developments. We will have the meeting minutes in next month's issue, in case you did not make it to the meeting.

But here is some news for those who were unable to attend. First, here is some really nice news! WAPR will have it's own World Wide Web Home Page!

As of this writing, it is not in operation yet. There are all sorts of things that we hope to have on the "Page". We will have the WAPR bylaws, meeting minutes, and general information about WAPR. We will also hope to have a bunch of information that will make your use of the Wisconsin Packet Radio network a lot more fun. Stay tuned to your local Packet BBS and this column to find out how to get there. Thanks to Tom Landaman, N9UDL for making this possible!

In network news, we do have a little to report. The Westward expansion of the Wisconsin Network continues. The finishing touches are being put on the link between the Wausau node stack (KC9NW) and the Wittenburg node stack (K9AEG). This will put a significant part of the state back "in the loop". The connection to the Wausau area has been weak since the Waupaca node stack went out of service.

We also would like to remind Node Ops, Packet BBS Ops, and TCP/IP operators to take part in the new discussion groups appearing on the BBS's and on the Internet. Packet BBS browsers will find the group under messages addressed to WISNET@RTWIS. Internet users can subscribe to wi_packet, a mailing list that is the counterpart of the WISNET. The aim is to mirror as much of the two lists as we can. The reason is to get the lines of communication opened up amongst network operators of all types. In order to know where we can go with our network, we have to know where we are and what folks want to do. The list is open to everybody, and we encourage you to join in the discussion. To subscribe to the Internet mailing list, send a message to: listserver@relay.wisc.edu

Leave the Subject blank. In the body of the message, type: subscribe wi_packet and your real name.

Messages to the group would be addressed to: wi_packet@relay.wisc.edu.

Please participate, if you can. Thanks again to Tom, N9UDL for his assistance in getting this going.

The next item is just a little note about "Using the Wisconsin Network". We have covered the topic of Node Hopping through the last several columns. Now we will expand our view a little bit. It is our hope to introduce you to the rest of the pieces and parts of the Wisconsin Network, what they do, and how they are used. We start drifting in this direction this month by looking at the newer types of node firmware. Articles on TCP/IP, the different types of BBS's, and innovative packet network operation are planned. We hope you find these interesting and informative, and hope you enjoy them.

And we always welcome your questions. I will answer them in the articles, and send you return mail. Don't worry about the question, someone else may (and often does!) have the same question. When I get enough questions, we will devote another part of the series to a "Q&A" session.

And that is all we have for this month. I do hope you have a pleasant and safe Thanksgiving Holiday. And take a moment to give thanks to the folks that spend their time, effort and money setting up the nodes and other facilities that make up the Wisconsin Network!

73, Andy Nemec, KB9ALN

Using the Wisconsin Network - Part 9

By Andy Nemec, KB9ALN

In our last part of the series, we took a breather and answered a few of the most commonly encountered questions concerning network nodes. In this part, we will expand on one of the questions concerning the "X-1J" nodes.

Why? The X-1J series of nodes is compatible with and is very similar to familiar "TheNet" nodes we have been working with all along. The X-1J will accommodate newer operating modes, it is capable of doing a great deal more. It also makes conventional operating modes easier and more convenient to use. That is why it is rapidly becoming the new Node firmware of choice in Wisconsin, and many other areas.

In addition to providing all of the usual node services, it also has the ability to route TCP/IP Packets as well. For those of you who are unfamiliar with TCP/IP, one can safely say that it is an amateur radio version of the Internet, and can be connected to the Internet. TCP/IP uses a different method to hook our computers together than the standard "AX.25" method we are all used to. TheNet X-1J allows us the opportunity to interface to the rest of the computer world, yet still retain "backward computability" so that we can use AX.25 as well.

In order to accommodate the expanded features, some commands needed to be changed from the older "TheNet" Node Firmware. And that is the subject of this article, to compare the two and show the command differences.

Question is, how do you tell what kind you are connected to? Luckily, there is one command that will tell you very quickly - the U command. Once connected to the node, it will not only tell you who is using the node, but what type it is. This is usually the first line you get when you ask for users. You will see one of the these 3, in all likelihood:

TheNet 2.08 TheNet 2.10st TheNet X-1J4

Once you know what one you are using, you can use the appropriate command. You can find out which commands the node will take by sending a ?. TheNet 2.08 and 2.10 will show: Bye Connect CQ Heard Info Nodes Routes Users

while TheNet X-1J will show:

Invalid Command - Choose from :

Connect CQ Bye Help Info Nodes Routes Talk Stats

Host BBS DXcluster MHeard

Users Quit IProute ARP Adc

Quite a difference between the two! They have more in common than this would lead you to believe, however. You can still use the X-1J to do what you have always done, you can just do a little more. First, we start with the similarities. Bye, Connect, CQ, Info, Nodes, Routes, and Users all do the same in both versions. By now, you probably know what all of these do with the possible exception of CQ. But that it easy to understand, it just allows you to call CQ.

Now to the different use of H. In the 2.08 and 2.10 versions of TheNet,

it gives you a list of the most recently heard stations on the TNC in which it was installed. In the X-1J, it gives you a small Help file. This covers the most common commands and the command differences between this version and the conventional TheNet nodes.

The Heard list is still in the X-1J. It is called up with the M (or MH) command. An easy way to remember this is "Most recently Heard". This heard list is better than the older style. It tells us what "port" a station was heard on (Radio port 0 or wireline Port 1 to the rest of the stack). It will also tell you the elapsed time since a station was last heard, how many packets that station has sent, and may also show that station's deviation or signal strength. This depends

on whether an accessory board has been installed and

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hooked to the Node radio. Not essential, but really handy if the node is equipped with it!
There are also some added commands. Here is a quick rundown and just what they do:

- ARP - A TCP/IP Function. Gives the "Address Resolution" table from the node.
- ADC - Will give information from accessories hooked to the node, like a temperature sensor.
- IPA - Will give the TCP/IP Address of the node.
- IPRoute - Gives the TCP/IP Routing table for this node.
- BBS, DXcluster, Host - These commands will hook you up to the local BBS, DX Cluster, or TCP/IP Host Computer. Simple enough.
- Quit - Same as Bye.
- Stats - Not of too much use to the average user. Will show tatistics on Node (CPU) usage.
- Talk - Conference mode. To enter, type T when you first connect up to the node. To exit, type /EX on a line all by itself.

And that is a quick overview of the differences between the newer "X-1J" series nodes and the older "TheNet" nodes. Not all of the features are enabled on every node, but this summary shows what this powerful new firmware is capable of. If you would like more detailed information, look on the new WAPR World Wide Web page, coming soon! There is a host of information on TheNet X-1J there, in addition to other WAPR oriented information.

Next month we will explore another aspect of the Using the Wisconsin Network. Until then, 73. Andy.

The Testpoint (continued from page 4)

Inquiries and registrations should be directed to William Firchow, Jr., NW9P, 1912 27th Street, Kenosha, WI 53140, telephone (414) 658-8390.

TOMAHAWK, WI

Last Saturday of every month. Jan. thru Oct.
Tomahawk Volunteer Examiners (ARRL/VEC).
Tomahawk, WI. No preregistration required, but appointment would be appreciated. Registration at 8:30 a.m. and testings starts at 9:00 a.m. For location or other information, inquire on 145.43 MHz. repeater or contact: Terry Collins, KB9AUP, W6564 Highway 8, Tomahawk, WI 54487. Telephone (715) 453-4633.

STEVENS POINT, WI

Contact: Joe Larson, N9JW. (715) 344-1182.

APPLETON, WI - ARRL/VEC MANITOWOC, WI (HAMFEST) KAUKAUNA, WI (HAMFEST)

Conducted by the Fox Cities ARC VE team. All test session in Appleton are held at James Madison Jr. High, 2020 S. Carpenter Street. Candidates check in between 8 and 9 a.m. with testing starting at 9 a.m. No walk-ins after 9 a.m. Contact George R. Croy, W9MDP, 2113 Twin Willows Drive, Appleton, WI 54914. (414) 730-0967.

MENOMONIE, WI

The Menomonee VEC will be sponsoring exams from 9:00 to 11:30 a.m. at the UW Stout Communication Center, 820 South Broadway, Menomonee, WI. Use the north entrance. Walk-ins only. Contact Jim Ley, NX9F. Work: (715) 232-1397, Home: (715) 235-3998.

MARSHFIELD, WI (ARRL/VEC)

Sponsored by the Marshfield Area ARS. Held at St. Joseph Hospital, 611 St. Joseph Ave., in the 1 West classroom located adjacent to the Westwood Cafeteria on the main floor of the hospital. Use the main entrance or any other entrance and follow the signs to the cafeteria. Registration starts at 8:30 a.m. with testing starting at 9:00 a.m. Talk in on the 147.18 Marshfield repeater. Walk-ins welcome. Contact: Walter Friant, WBOKIN, 2310 Wallonie Drive, Marshfield, WI 54449 (715) 387-3870.

GREEN BAY, WI (ARRL/VEC)

Contact N9NOF, Keith Summers, 918 Bluebird St., De Pere, WI 54115. (414) 336-6087, after 4:00 p.m.

FOND DU LAC, WI

Sponsored by the Fond du Lac Amateur Radio Club. From 9:00 a.m. to Noon at the Community United Methodist Church located at 701 Minnesota Ave., in

Yellow Thunder Amateur Radio Club

WB9FDZ (Original Club Call) • K9ODK (Robert L. Prine Memorial Call)



Raymond J. Matlosz, N9MLZ, Secretary

450 West 2nd Street • Reedsburg, WI 53959



The October 17, 1995 meeting of the Yellow Thunder Amateur Radio Club, Inc., was called to order at 7:36 p.m. by club president Steve Schulze, N9UDO.

The minutes of the last meeting, as published in the BSSS, were accepted. Financial report was given by Jim Decker, WB9UQT.

OLD BUSINESS: There was no new news to report on regarding the license exam that was held October 7th at the Baraboo Public library. Leonard Wagner, N9XJG and Thomas Harrison, N9PQJ reported on the Sauk County emergency government exercise held in Lake Delton on September 30th.

NEW BUSINESS: Ideas where to have the Holiday Party in December was discussed. Bill Klinkner, N9KXX and Bill Hommel, KA9QFJ will make arrangements.

Buck night winner was Bob Johnson, WB9EIW, who didn't get the buck cause he wasn't there.

The meeting adjourned at 8:22 p.m.

The next meeting will be held Wednesday November 15, 1995 at 7:30 p.m. at the Baraboo Civic Center.

North Fond du Lac, WI. All level tests, walkins welcome. Contact: Doug Schultz, N9EFZ, (414) 992-3088.

BARABOO, WISCONSIN

Location: Public Library, Baraboo, WI. Contact: Steve Schwoegler, WB9RNL, (608) 254-2895.

CEDARBURG, WI - ORC HAMFEST
EAU CLAIRE, WI - ECARC HAMFEST
GREEN BAY, WI - ARES HAMFEST
KAUKAUNA, WI - SWAPFEST
MANITOWOC, WI, LAKESHORE HAMFEST
MARSHFIELD, WI - HAMFEST
OAK CREEK, WI - SMARC HAMFEST
RACINE, WI - BIG BOY TOY SHOW
RHINELANDER, WI - NWARC SWAPFEST
ROCKFORD, IL - RARC HAMFEST
ROTHSCHILD, WI - WURA HAMFEST
SOUTH MILWAUKEE, WI - SMARC HAMFEST
STEVENS POINT, WI - CWRA SWAPFEST
WAUKESHA, WI - KMRA SWAPFEST
WAUKESHA, WI - MIDWINTER SWAPFEST
DUBUQUE, IA - HAMFEST

See the Swapfest column for additional information and contact persons.

GREAT RIVER AMATEUR RADIO CLUB DUBUQUE, IOWA - ARRL/VEC

The Great River Amateur Radio Club VEs are now field stocked, which means retests can be given immediately. Exams are held at 9:00 am at the Central Fire Station, 9th and Central in Dubuque. Use the basement entrance on 9th street. For more info, contact: Carl Clark, NOKAX, 145 Delicia Drive, Dubuque, IA 52001. Or call Carl at 319-557-9149. Talk-ins are on the 147.84/24, 147.63/03 and 146.295/895 repeaters.

LOVES PARK, IL

Third Saturday of every month. Northern Illinois Volunteer Examiners (W5YI VEC). Held at North Suburban District Library, 6340 North Second St. (Hwy. 251), Loves Park, IL. Contact: Dennis G. Eksten, W9SS, (815) 877-6768.

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Yamaha CR-220 40 watt stereo amplifier; \$40.00
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Sincerely,
Raymond J. Matlosz, N9MLZ, Secretary

The following members and guest were present:

Bill Hommel	KA9QFJ	Baraboo
Steve Schulze	N9UDO	Baraboo
Jim Paul	N9LKY	Merrimac
Raymond Matlosz	N9MLZ	Reedsburg
George McArthur	N9ZGY	Baraboo
Leonard Wagner	N9XJG	Baraboo
David Spearing	KB9CSW	Portage
Thomas Harrison	N9PQJ	Reedsburg
Bill Klinkner	N9KXX	Sauk City
Anne Klinkner	N9PQL	Sauk City
Jim Decker	WB9UQT	Baraboo

At press time we received word that L. J. Hemmer, WB9TFJ, of Madison (formerly of Baraboo) had passed away. Our condolences go to his family.

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2 250TH; \$18.00 each.
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A. Luna, KB0BD, 1935 Lone Oak Circle W. Brookfield, WI 53045. Telephone (414) 782-0384.

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HAMFEST INFO:
Dan Vanevenhoven, N9LVS
2410 E. Newberry Ct.
Appleton, WI 54915
414-739-5101

EXAM INFO:
Larry Siebers, KD9IA
414-788-3823

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For more information, call:
Glenn, AA9MT: 414-684-7096
Red, N9GHE: 414-684-9097 (nights)
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Info: Art Wysocki, N9BCA (715) 344-2984
3356 April Lane Stevens Point, WI 54481

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5119 W. Willow Rd., Brown Deer, WI 53223
Swapfest sponsored by Ozaukee Radio Club
11448 N. Laguna Drive • Mequon, WI 53092

Kettle Moraine Radio Amateurs

SWAPFEST

Sunday, October 15, 1995

Waukesha County Expo Center

Info: KMRA Swapfest S46 W32264 Highview Rd.
Waukesha, WI 53188-9276

Red Cedar Repeater Association, Inc.

AUCTION

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